

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

27/7/99

SHIP: VECTOR

STATION NAME:

53

CAST NUMBER:

001

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	1	1190	144.00	bot-10	213	✓											0.00	12.50
2	2	1191	144.42	200		✓											0.00	
3	3			175		✓											0.00	
4	4			150		✓											0.00	
5	5			125		✓											0.177	
6	6			100		✓											1.085	
7	7			75		✓											1.593	
8	8			50		✓											2.878	
9	9			30		✓											4.704	
10	10			20		✓											5.087	
11	11			10		✓											5.678	
12	12			0		✓											7.625	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: #112 AIR BUBBLE IN FLASK, before acidification

ENTERED BY:

CHECKED BY:

Bottom Depth: 225

Cast # down: 001

Cast # up: 001

Time LOC UTC

Begin:

Bottom: 0229

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 35.29

LONG: 123 30.13

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

27/7/99

SHIP: VECTOR

STATION NAME:

Je10

CAST NUMBER:

002

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO	Phy			
1	13			250	259	✓											1.188
2	14			200	200	✓											1.193
3	15			175	175	✓											1.183
4	16			150	150	✓											1.112
5	17			125	125	✓											1.141
6	18			100	100	✓											1.042
7	19			75	75	✓											1.704
8	20			50	50	✓											3.008
9	21			30	30	✓											3.557
10	22			20	20	✓											3.885
11	23			10	10	✓											6.747
12	24			5	5	✓											8.722
13	25			0	0.5	✓											8.090
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments: * #25 - DOSIMETER (02) shut down & re-started program.

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

273

Cast # down:

002

Cast # up:

002

Time

LOC

UTC

Begin:

1614

Bottom:

1621

End:

1643

START POSITION (GPS)

LAT: 50

11.36

LONG: 123

57.11

BOTTOM POSITION (GPS)

LAT: 50

11.39

LONG: 123

57.06

END POSITION (GPS)

LAT:

11.39

LONG:

57.10

ROSETTE LOG

MISSION ID: 9931
STATION NAME: Je 9

UTC DATE y/m/d: 27/7/99
CAST NUMBER: 3

SHIP: V FCTOR

ENTERED BY:	DJS
CHECKED BY:	

Bottom Depth: 360

Cast # down: 003

Cast # up: 003

Time	LOC	UTC
Begin:		1723
Bottom:		1731
End:		

START POSITION (GPS)		
LAT:	50°	8.64
LONG:	123°	50.49

BOTTOM POSITION (GPS)	
LAT:	50° 8.58
LONG:	123° 50.47

END POSITION (GPS)	
LAT:	30°
LONG:	123°

[illegible]

Comments: * 33 - O₂ Dissolved froze again - RESET. Value may not be correct.
* 37 FROZE Again
* 39 Dissolved Froze again

ROSETTE LOG

MISSION ID: 9931
STATION NAME: Je 8UTC DATE y/m/d: 27/7/99
CAST NUMBER: 4SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken													
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
1	40			bot-5	456	✓													DO ml/l	
2	41			400		✓													1.403	
3	42			300		✓													13.70	
4	43			250		✓													1.353	.247
5	44			200		✓													1.588	
6	45			175		✓													1.530	
7	46			150		✓													1.523	
8	47			125		✓													1.473	
9	48			100		✓													1.405	
10	49			75		✓													1.184	
11	50			50	50	✓													2.401	
12	51			30	30	✓													3.453	
13	52			20	20	✓													3.782	
14	53			10	10	✓													4.911	
15	54			0	0.5	✓													6.282	
16																			7.663	
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

ENTERED BY: DJS

CHECKED BY:

Bottom Depth: 470Cast # down: 004Cast # up: 004

Time LOC UTC

Begin: 1821Bottom: 1831

End:

START POSITION (GPS)

LAT: 50 06 30LONG: 123 46 67

BOTTOM POSITION (GPS)

LAT: 50 05 26LONG: 123 46 63

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

27/7/99

STATION NAME:

Je 7

CAST NUMBER:

5

SHIP: VECTOR

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

ROSETTE OPERATION

Samples taken

Trip
pressure

Confirmed
Salinity

SAL

NUT

ALK

TCO

Phy

OXY

CHL

C13

1	55			60-5	526	✓		↑	↑	↑								1.183
2	56			500	500	✓		↑	↑	↑								1.374
3	57			400	399	✓		↑	↑	↑								1.401
4	58			300	299	✓		↑	↑	↑								1.353
5	59			250	250	✓		↑	↑	↑								2.145
6	60			200	200	✓		↓	↑	↑								1.774
7	61			175	175	✓		↑	↑	↑								1.668
8	62			150	150	✓		↑	↑	↑								1.704
9	63			125	125	✓		↑	↑	↑								1.374
10	64			100	100	✓		↑	↑	↑								1.298
11	65			75	75	✓		↑	↑	↑								5.472
12	66			50	50	✓		↑	↑	↑								4.357
13	67			30	30	✓		↑	↑	↑								3.915
14	68			20	20	✓		↑	↑	↑								4.479
15	69			10	10	✓		↑	↑	↑								5.862
16	70			5	5	✓		↑	↑	↑								7.420
17	71			0	0.6	✓		↓	↓	↓								7.588
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

538

Cast # down:

005

Cast # up:

005

Time

LOC

UTC

Begin:

1927

Bottom:

1937

End:

START POSITION (GPS)

LAT:

50° 2.47

LONG:

123° 51.27

BOTTOM POSITION (GPS)

LAT:

2.45

LONG:

51.29

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

27/7/99

STATION NAME:

Je 6

CAST NUMBER:

6

SHIP:

VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO me/l	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	72			bot-5	539	✓											1.367	
2	73			500	500	✓											1.448	
3	74			400	400	✓											1.565	
4	75			300	300	✓											2.908	
5	76			250	250	✓											2.359	
6	77			200	200	✓											2.004	
7	78			175	175	✓											2.066	
8	79			150	150	✓											2.119	
9	80			125	125	✓											1.872	
10	81	2000		100	100	✓											1.392	
11	82	2007	143.74	75	75	✓											2.370	
12	83			50	50	✓											3.729	
13	84			30	30	✓											4.001	
14	85			20	20	✓											4.075	
15	86			10	10	✓											5.652	
16	87			0	0.6	✓											7.592	
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

548

Cast # down:

006

Cast # up:

006

Time

LOC

UTC

Begin:

2047

Bottom:

2057

End:

2122

START POSITION (GPS)

LAT:

49 59.05

LONG:

123 59.29

BOTTOM POSITION (GPS)

LAT:

49° 59.00

LONG:

123° 59.36

END POSITION (GPS)

LAT:

58.85

LONG:

59.46

ROSETTE LOG

MISSION ID:

STATION NAME:

UTC DATE y/m/d:

CAST NUMBER:

SHIP: VECTOR

ENTERED BY:

CHECKED BY: _____

Bottom Depth: 658

Cast # down: 007

Cast # up: 007

Time	LOC	UTC
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Begin:

Bottom: 2211

End: 2233

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 54.30

LONG: 123 55.32

END POSITION (GPS)

LAT: 49 54.23

LONG: 123 55, 13

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

79/07/27

STATION NAME:

JE 4

CAST NUMBER:

8

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	104			650	660	✓	✓	✓											1.796	
2	105			600		✓	✓	↑											1.607	
3	106			500		✓	✓												1.627	
4	107			400		✓	✓												1.751	
5	108			300		✓													2.434	
6	109			250		✓													2.335	
7	110			200		✓													2.492	
8	111			175		✓													2.657	
9	112			150		✓													2.400	
10	113			125		✓													2.310	
11	114			100		✓													2.039	
12	115			75		✓													2.371	
13	116			50		✓													3.990	
14	117			30		✓													4.078	
15	118			20		✓													4.605	
16	119			10		✓		↓											5.129	
17	120	1062		0		✓		✓											8.117	
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

* Dosimat jammed up at #119 - ReBoot

ENTERED BY:

CHECKED BY:

Bottom Depth:

671

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2310

Bottom: 2324

End: 2350

START POSITION (GPS)

LAT: 49 49.47

LONG: 123 54.23

BOTTOM POSITION (GPS)

LAT: 49 49.46

LONG: 123 54.11

END POSITION (GPS)

LAT: 49 49.49

LONG: 123 54.22

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/07/28

STATION NAME:

JE3

CAST NUMBER:

9.

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												end point Drage	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
1	121			670	668	✓	✓	✓												
2	122			600		✓	✓	✓											.258	
3	123			500		✓	✓	✓											.264	
4	124			400		✓	✓	✓											.261	
5	125			300		✓													.375	
6	126			250		✓													.394	
7	127			200		✓													.394	
8	128			175		✓													.378	
9	129			150		✓													.408	
10	130			125		✓													.390	
11	131			100		✓													.322	
12	132			75		✓													.447	
13	133			50		✓													.700	
14	134			30		✓													.642	
15	135			20		✓													.699	
16	136			10		✓													.882	
17	137			0				✓											.1268	
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 681

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0036
Bottom:		0049
End:		0116

START POSITION (GPS)		
LAT:	49 48 61	
LONG:	124 02 48	

BOTTOM POSITION (GPS)		
LAT:	48 67	
LONG:	2 55	

END POSITION (GPS)		
LAT:	48 57	
LONG:	2 56	

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:

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 46.22

LONG: 124 09.22

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: 268

Cast # down:

Cast # up:

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

Begin: 03/7

Bottom: 0322

End: 0339

START POSITION (GPS)

LAT: 49 42.30

LONG: 124 1451

BOTTOM POSITION (GPS)

LAT: 49 42.29

LONG: 124 14.5'

END POSITION (GPS)

LAT: 4942.387

LONG: 12414.489

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: B48UTC DATE y/m/d: 28/7/99
CAST NUMBER: 012SHIP: 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	Phy			
1	167	84		bot-5	235	✓											2.066
*2	168	255		200	200	✓											2.131
3	169	333		175	174	✓											2.120
4	170	337		150	150	✓											2.076
5	171	364		125	125	✓											2.184
6	172	392		100	100	✓											2.331
7	173	425		75	75	✓											2.506
8	174	443		50	50	✓											3.510
9	175	467		30	30	✓											4.237
10	176	486		20	20	✓											4.415
11	177	509		10	10	✓											4.535
12	178	534		5	5	✓								✓			7.610
13	179	535		0										✓			8.653
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 264Cast # down: 012Cast # up: 012

Time	LOC	UTC
Begin:		1410
Bottom:		1415
End:		1432

START POSITION (GPS)		
LAT:	50°	53.33
LONG:	124°	50.68

BOTTOM POSITION (GPS)		
LAT:	50°	53.34
LONG:	124°	50.62

END POSITION (GPS)		
LAT:	50°	53.31
LONG:	124°	50.42

Comments:

Bottle #2 spigot was open.

ROSETTE LOG

MISSION ID: 9931
STATION NAME: B47

UTC DATE y/m/d: 28/7/99
CAST NUMBER: 013

SHIP: VECTOR

[illegible]

ENTERED BY: DJS

CHECKED BY: _____

Bottom Depth: 351

Cast # down:	013
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Cast # up: 613

Time	LOC	UTC
Begin:		1505
Bottom:		1513
End:		1537

START POSITION (GPS)		
LAT:	50°	49.86
LONG:	124°	53.50

BOTTOM POSITION (GPS)	
LAT:	49.89
LONG:	53.35

END POSITION (GPS)	
LAT:	49.91
LONG:	52.99

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

28/7/99

STATION NAME:

B46

CAST NUMBER:

14

SHIP:

VECTOR

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

ROSETTE OPERATION

Trip Confirmed
pressure Salinity

Samples taken

SAL OXY NUT CHL ALK TCO C13

DO
ml/l

1	194	1238		bot-5	467	✓		↕	↑											1.831
2	195	1240		400	400	✓		↕	↑											1.903
3	196	1241		300	300	✓			↑											2.215
4	197	1243		250	250	✓			↑											2.305
5	198	1244		200	200	✓			↑											2.311
6	199	1247		175	175	✓			↑											2.304
7	200	1248		150	150	✓			↑											2.205
8	201	1249		125	125	✓			↑											2.265
9	202	1251		100	100	✓			↑											2.370
10	203	1252		75	75	✓			↑											2.513
11	204	1254		50	50	✓			↑											3.983
12	205	1256		30	30	✓			↑											4.096
13	206	1257		20	20	✓			↑											4.112
14	207	1258		10	10	✓			↑											4.385
15	208			0	06	✓			↓											9.228
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

470

Cast # down:

014

Cast # up:

014

Time

LOC

UTC

Begin:

1617

Bottom:

1626

End:

1653

START POSITION (GPS)

LAT:

50° 45.31

LONG:

124° 54.01

BOTTOM POSITION (GPS)

LAT:

50° 45.34

LONG:

124° 53.99

END POSITION (GPS)

LAT:

50° 45.37

LONG:

124° 53.94

Comments:

* Dosimat froze - Reboot
* Froze again "

ROSETTE LOG

MISSION ID: 9931
STATION NAME: B45UTC DATE y/m/d: 28/7/99
CAST NUMBER: 15SHIP: VECTORNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. DepthROSETTE OPERATION
Trip Confirmed
pressure SalinitySamples taken
SAL NUT ALK TCO Phyls
OXY CHL C13DO
ml/l

1	209	1261		bot-5	555	✓	✓	↑	↑											1.729
2	210	1264		500	500	✓	✓	↑	↑											1.880
3	211	1267		400	400	✓	✓	↑	↑											2.074
4	212	1268		300	300	✓		↑	↑											2.422
5	213	1269		250	250	✓		↑	↑											2.516
6	214	1270		200	200	✓		↑	↑											2.559
7	215	1271		175	175	✓		↑	↑											2.529
8	216	1272		150	150	✓		↑	↑											2.586
9	217	1273		125	125	✓		↑	↑											2.521
10	218	1274		100	100	✓		↑	↑											2.690
11	219	1275		75	75	✓		↑	↑											2.695
12	220	1276		50	50	✓		↑	↑											2.255
13	221	1277		30	30	✓		↑	↑											4.169
14	222	1278		20	20	✓		↑	↑											4.088
15	223	1279		10	10	✓		↑	↑											4.337
16	224	1280		5	5	✓		↑	↑											6.620
17	225	1281		0	0.6	✓		↓	↓											8.958
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 567Cast # down: 015Cast # up: 015

Time	LOC	UTC
Begin:		1728
Bottom:		1739
End:		18:09

START POSITION (GPS)		
LAT:	50°	40.68
LONG:	124°	53.17

BOTTOM POSITION (GPS)		
LAT:	50°	40.58
LONG:	124°	53.23

END POSITION (GPS)		
LAT:	40.57	
LONG:	53.42	

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: B44UTC DATE y/m/d: 28/7/99
CAST NUMBER: 16SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken													
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
1	226	1282		bot-5	625	✓	✓	✓											DO	
2	227	1283		600		✓	✓												ml/l	
3	228	1284		500		✓													1.550	
4	229	1285		400		✓													1.592	
5	230	1286		300		✓													1.952	
6	231	1287		250		✓													2.055	
7	232	1288		200	200	✓													2.448	
8	233	1289		175	175	✓													2.719	
9	234	1290		150	150	✓													2.557	
10	235	1291		125	125	✓													2.518	
11	236	1292		100	100	✓													2.627	
12	237	1293		75	75	✓													2.500	
13	238	1294		50	51	✓													2.615	
14	239	1295		30	30	✓													2.794	
15	240	1297		20	20	✓													3.609	
16	241	1298		10	10	✓													3.896	
17	242			0	07	✓		✓											3.959	
18																			4.662	
19																			8.347	
20																				
21																				
22																				
23																				
24																				

ENTERED BY: UJS
CHECKED BY:Bottom Depth: 639Cast # down: 016Cast # up: 016

Time	LOC	UTC
Begin:		18 47
Bottom:		19 04
End:		19 34

START POSITION (GPS)	
LAT:	50 35 29
LONG:	124 54 22

BOTTOM POSITION (GPS)	
LAT:	50° 35.23
LONG:	124° 54.13

END POSITION (GPS)	
LAT:	50° 35.25
LONG:	124° 54.12

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

28/7/99

STATION NAME:

Bu 3

CAST NUMBER:

17

SHIP: VECTOR

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

ROSETTE OPERATION

Trip
pressureConfirmed
Salinity

SAL

OXY

NUT

CHL

ALK

C13

TCO

Samples taken

DO

ml/l

1	243	1062		bot-5	640	✓	✓	↑											1.580
2	244	1090		600	606	✓	✓												1.755
3	245	1105		500	500	✓	✓												1.949
4	246	1106		400	400	✓													2.189
5	247	1110		300	300	✓													2.941
6	248	1126		250	250	✓													3.026
7	249	1128		200	200	✓													2.840
8	250	1130		175	175	✓													2.764
9	251	1132		150	150	✓													2.822
10	252	1134		125	125	✓													2.492
11	253	1135		100	100	✓													2.626
12	254	1136		75	75	✓													2.891
13	255	1137		50	50	✓													3.502
14	256	1138		30	30	✓													3.732
15	257	1141		20	20	✓													4.202
16	258	1142		10	10	✓													4.950
17	259	1146		0	0.6	✓													9.221
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

650

Cast # down:

017

Cast # up:

017

Time

LOC

UTC

Begin:

2033

Bottom:

2046

End:

2113

START POSITION (GPS)

LAT:

50° 31.69

LONG:

124° 57.96

BOTTOM POSITION (GPS)

LAT:

31.70

LONG:

58.06

END POSITION (GPS)

LAT:

31.71

LONG:

58.07

ROSETTE LOG

MISSION ID: 9931
STATION NAME: B42

UTC DATE y/m/d: 28/7/99
CAST NUMBER: 18

SHIP: VECTOR

[illegible]

ENTERED BY:	DJS
CHECKED BY:	

Bottom Depth: 654

Cast # down: 018

Cast # up: 018

Time	LOC	UTC
Begin:		2155
Bottom:		2209
End:		2237

START POSITION (GPS)	
LAT:	50° 28.06
LONG:	125° 4.59

BOTTOM POSITION (GPS)	
LAT:	50 27.93
LONG:	125 04.67

END POSITION (GPS)	
LAT:	50 28 06
LONG:	125 34 57

Comments: * Design not started #273
#274 - (NO LOGICAL STANDARD VALUES IN PROGRAM)

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/07/28

SHIP: VECTOR

STATION NAME:

Bu 1

CAST NUMBER:

19

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	PHND								
1	277	1195			bott-10	✓	595	✓	✓										1.692
2	278	1197			500	✓		✓	✓										1.766
3	279	1198			400	✓		✓	✓										2.244
4	280	1201			300	✓			✓										3.245
5	281	1202			250	✓			✓										
* 6	282	1203			200	✓			✓										2.380
7	283	1204			175	✓			✓										2.955
8	284	1206			150	✓			✓										2.928
9	285	1209			125	✓			✓										3.019
10	286	1210			100	✓			✓										2.979
11	287	1212			75	✓			✓										3.353
12	288	1215			50	✓			✓										3.550
13	289	1216			30	✓			✓										3.735
14	290	1218			20	✓			✓										4.091
15	291	1219			10	✓			✓										4.731
16	292	1222			5	✓			✓			✓							5.188
17	293	1223			0				✓			✓							8.379
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:

CHECKED BY:

Bottom Depth: 603.

Cast # down:

Cast # up:

Time LOC UTC

Begin: 23 17

Bottom: 23 28

End: 23 50

START POSITION (GPS)

LAT: 50 22.16

LONG: 125 04.78

BOTTOM POSITION (GPS)

LAT: 50 22.20

LONG: 125 04.78

END POSITION (GPS)

LAT: 50 22.18

LONG: 125 04.83

Comments:

0000ps! - wrong flask entered - 9931009

* flat end point curve plotted off the screen.

Sorry! 98. - renamed to 99310009.4 DJS

ROSETTE LOG

MISSION ID: 9931
STATION NAME: KN11

UTC DATE y/m/d: 29/7/99
CAST NUMBER: 020

SHIP: VECTOR

[illegible]

ENTERED BY:	DJ S.
CHECKED BY:	

Bottom Depth: ~~268?~~ 215

Cast # down: 020

Cast # up: 020

Time	LOC	UTC
Begin:		1408
Bottom:		1414
End:		1430

START POSITION (GPS)	
LAT:	51° 02.48
LONG:	125° 34.01

BOTTOM POSITION (GPS)	
LAT:	2.47
LONG:	34.01

END POSITION (GPS)	
LAT:	2.44
LONG:	33.91

Comments: DOSINAR FROZE. #300 E 306

ROSETTE LOG

MISSION ID: 9931
STATION NAME: KN 9UTC DATE y/m/d: 29/7/99
CAST NUMBER: 21SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												120 ml/l.
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO								
1	307	572		bot-5	404	✓	✓	↑											3.062
2	308	578		300	301	✓	✓												3.560
3	309	588		250	250	✓													3.396
4	310	632		200	200	✓													3.405
5	311	641		175	175	✓													3.691
6	312	650		150	150	✓													3.721
7	313	657		125	125	✓													3.767
8	314	695		100	100	✓													3.599
9	315	697		75	75	✓													3.817
10	316	707		50	30	✓													3.799
11	317	708		30	30	✓													4.121
12	318	709		20	20	✓													4.698
13	319	712		10	10	✓													5.468
14	320	715		0	0.9	✓													8.513
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY: DJS

CHECKED BY:

Bottom Depth: 414Cast # down: 021Cast # up: 021

Time	LOC	UTC
Begin:		1526
Bottom:		1535
End:		1558

START POSITION (GPS)		
LAT:	50°	54.31
LONG:	125°	32.85

BOTTOM POSITION (GPS)		
LAT:		54.32
LONG:		32.87

END POSITION (GPS)		
LAT:		54.37
LONG:		32.89

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: KN7UTC DATE y/m/d: 29/7/99
CAST NUMBER: 22SHIP: 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	321	1062		bot-5	504	✓		✓				2.895	
2	322	1105		400	400	✓		✓				3.514	
3	323	1106		300	300	✓		✓				4.179	
4	324	1110		250	250	✓						3.985	
5	325	1126		200	200	✓						4.121	
6	326	1128		175	175	✓						4.029	
7	327	1130		150	150	✓						4.822	
8	328	1132		125	125	✓						3.987	
9	329	1134		100	100	✓						3.832	
10	330	1135		75	75	✓						3.933	
11	331	1136		50	50	✓						3.937	
12	332	1137		30	30	✓						4.237	
13	333	1138		20	20	✓						4.997	
14	334	1141		10	10	✓						5.016	
15	335	1142		0	0.7							8.464	por
16													
17													
18													
19													
20													
21													
22													
23													
24													

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 519Cast # down: 022Cast # up: 022

Time	LOC	UTC
Begin:		1657
Bottom:		1707
End:		1734

START POSITION (GPS)		
LAT:	50°	48.09
LONG:	125°	37.34

BOTTOM POSITION (GPS)		
LAT:		48.12
LONG:		37.51

END POSITION (GPS)		
LAT:		48.36
LONG:		37.53

Comments: * ROSIMAT STALLED

ROSETTE LOG

MISSION ID: 9931
STATION NAME: KN5UTC DATE y/m/d: 29/7/99
CAST NUMBER: 023SHIP: VECTORNiskin 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		Phy							
1	336	1146		604-5	384	✓			↑	↑					4.218
2	337	1148		300	300	✓									4.162
3	338	1153		250	254	✓									4.345
4	339	1154		200	200	✓									4.881
5	340	1158		175	175	✓									4.791
6	341	1168		150	150	✓									4.447
7	342	1171		125	125	✓									4.372
8	343	1174		100	100	✓									4.234
9	344	1175		75	75	✓									4.240
10	345	1176		50	50	✓									4.154
11	346	1177		30	30	✓									4.160
12	347	1180		20	20	✓									4.258
13	348	1188		10	10	✓				✓					4.383
14	349	1190		5	5	✓				✓					4.943
15	350	1191		0	0.6	✓			↓	*	✓				7.897
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: DJS

CHECKED BY:

Bottom Depth: 394Cast # down: 023

Cast # up:

Time	LOC	UTC
Begin:		1836
Bottom:		1845
End:		19:09

START POSITION (GPS)		
LAT:	50°	41.63
LONG:	12.5°	47.02

BOTTOM POSITION (GPS)		
LAT:	50°	41.61
LONG:	12.5°	47.10

END POSITION (GPS)		
LAT:	50°	
LONG:	12.5°	

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: KN4UTC DATE y/m/d: 29/7/99
CAST NUMBER: 24SHIP: 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	351	1192		bot-5	440	✓		✓	↑					4.046	
2	352	1193		400	400	✓		✓						4.049	
3	353	1194		300	300	✓								4.136	
4	354	1195		250	250	✓								4.159	
5	355	1197		200	200	✓								4.181	
6	356	1198		175	175	✓								4.221	
7	357	1201		150	150	✓								4.272	
8	358	1202		125	125	✓								4.223	
9	359	1203		100	100	✓								4.256	
10	360	1204		75	75	✓								4.307	
11	361	1206		50	50	✓								4.258	
12	362	1209		30	30	✓								4.270	
13	363	1210		20	20	✓								4.327	
14	364	1212		10	10	✓								4.649	
15	365	1215		0	0.9	✓			↓					7.654	
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 449Cast # down: 024
Cast # up: 024

Time	LOC	UTC
Begin:		1951
Bottom:		2000
End:		2026

START POSITION (GPS)		
LAT:	50°	40.78
LONG:	125°	56.11

BOTTOM POSITION (GPS)		
LAT:	50°	40.79
LONG:	125°	56.12

END POSITION (GPS)		
LAT:	50°	40.78
LONG:	125°	56.17

Comments:

ROSETTE LOG

MISSION ID:**STATION NAME:**

UTC DATE y/m/d:

CAST NUMBER:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

2139

Bottom:

2143

End:

2157

START POSITION (GPS)

LAT:

500

39.30

LONG:

1260

10.94

BOTTOM POSITION (GPS)

LAT:

39.30

LONG:

10.96

END POSITION (GPS)

LAT:

39.30

LONG:

10.98

Comments:

28-23

7-12

9931

KN 1

99/7/29

026

Vector R

Do
me

Bottom Depth: 258.

Cast # up:

End: 23 / 5

LONG:

LONG: 12625.36

LONG: 126 25.50

Comments: 388 DOS, MAT STUCK.

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/07/27

STATION NAME:

PT FL

CAST NUMBER:

027

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	✓	SS					
			OXY	✓	CHL		C13		PHYO	✓					
1	389	1258		bott-5	40	✓		↑	↑					4.083	
2	390	1260		30		✓								4.407	
3	391	1261		25		✓								4.090	
4	392	1264		20		✓								4.080	
5	393	1267		15		✓								4.153	
6	394	1268		10		✓								4.253	
7	395	1269		5		✓				✓				5.433	
8	396	1270		0		✓				✓				8.608	
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:

CHECKED BY:

Bottom Depth: 47

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2350

Bottom: 2352

End: 2358

START POSITION (GPS)

LAT: 50 40.26

LONG: 126 29.02

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 50 40.17

LONG: 126 29.09

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/07/30

STATION NAME:

Carrie Bay CaBa

CAST NUMBER:

28

SHIP:

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

ROSETTE OPERATION

Trip
pressure

Confirmed
Salinity

Samples taken

SAL

NUT

ALK

TCO

OXY

CHL

C13

Phy

1	397.	1271		30	31	✓		✓	✓									4.169	
2	398.	1272		25		✓												0	?
3	399.	1273		20		✓												4.308	
4	400	1274		15		✓												4.689	
5	401	1275		10		✓												4.792	
6	402	1276		5		✓								✓				5.095	
7	403.	1277		0		✓		✓	✓					✓				7.015	
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0127

Bottom: 0129

End: 0135

START POSITION (GPS)

LAT: 5

LONG:

BOTTOM POSITION (GPS)

LAT: 5041.48

LONG: 12637.51

END POSITION (GPS)

LAT: 5041.48

LONG: 12637.49

Comments: SAMPLE #398 probably did not have pickling reagents added.

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/07/30

STATION NAME:

Wicklow Point

CAST NUMBER:

29

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	404			200	119	✓		✓									508	2.818
2	405			175	100	✓		✓									513	2.889
3	406			150	75	✓		✓									519	2.909
4	407			125	50	✓		✓									684	3.825
5	408			100	30	✓		✓									752	4.233
6	409			75	25	✓		✓									807	4.446
7	410			50	20	✓		✓									809	4.502
8	411			30	15	✓		✓									850	4.651
9	412			25	10	✓		✓									882	4.852
10	413			20	5	✓		✓									953	5.120
11	414			15	0	✓		✓									1065	5.829
12	415			10														
13	416			5														
14	417			0				✓										
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: 0253

Bottom: 0256

End: 0306

START POSITION (GPS)

LAT: 50 47.02

LONG: 126 41.47

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 50 47.04

LONG: 126 41.46

ROSETTE LOG

MISSION ID: 9931
STATION NAME: Deep Harbour (DH)

UTC DATE y/m/d: 99/07/30
CAST NUMBER: 030

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	418			75	71	✓													.637	3.790
2	419			50		✓													.694	3.803
3	420			30		✓													.798	4.369
4	421			25		✓													.780	4.252
5	422			20		✓													.809	4.420
6	423			15		✓													.844	4.639
7	424			10		✓													.898	4.929
8	425			5		✓													.993	5.498
9	426			0	1.0	✓													1.565	8.588
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 80.

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0344
Bottom:		0349
End:		0357

START POSITION (GPS)
LAT: 50 47.80
LONG: 126 35.17

BOTTOM POSITION (GPS)
LAT: 50 47.79
LONG: 126 35.16

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/07/30

SHIP: VECTOR

STATION NAME:

Burdwood Group (BG)

CAST NUMBER:

031

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	427			140	153	✓		✓									.496	2901
2	428			125		✓											.474	2.982
3	429			100		✓											.525	3.247
4	430			75		✓											.584	poor
5	431			50		✓											.638	3.926
6	432			30		✓											.699	4.383
7	433			25		✓											.787	4.840
8	434			20		✓											.764	4.797
9	435			15		✓											.789	4.855
10	436			10		✓											.798	5.600
11	437			5		✓											.943	5.838
12	438			0		✓		✓									1.304	8.148
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 165m

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0442

Bottom: 0501

End:

START POSITION (GPS)

LAT: 50 47 83

LONG: 126 30 00

BOTTOM POSITION (GPS)

LAT: 50 47 83

LONG: 126 30 10

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

30/7/99

STATION NAME:

KIN 3

CAST NUMBER:

032

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	439	84.		bot-5	185	✓											2.251	
2	440	255		175	175	✓											2.256	
3	441	333		150	150	✓											2.012	
4	442	337		125	125	✓											2.036	
5	443	364.		100	100	✓											2.150	
6	444	392		75	75	✓											2.919	
7	445	425		50	50	✓											3.868	
8	446	443		30	30	✓											4.061	
9	447	467		20	20	✓											4.508	
10	448	486		10	10	✓				✓							7.006	checked depth
11	449	509		5	5	✓				✓		✓					7.200	
12	450	535		0	0.8	✓				✓		✓					8.078	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

* 446 Dosimat started

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

197

Cast # down:

032

Cast # up:

032

Time LOC UTC

Begin: 1418

Bottom: 1421

End: 1435

START POSITION (GPS)

LAT: 50° 54.91

LONG: 126° 14.74

BOTTOM POSITION (GPS)

LAT: 54.91

LONG: 14.74

END POSITION (GPS)

LAT: 54.92

LONG: 14.71

ROSETTE LOG

MISSION ID: 9931
STATION NAME: KIN 2UTC DATE y/m/d: 30/7/99
CAST NUMBER: 33SHIP: 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	451	534		bot-5	364	✓	✓	↗											3.465	
2	452	572		300	300	✓	✓												3.575	
3	453	578		250	250	✓													3.183	
4	454	588		200	200	✓													3.077	
5	455	632		175	175	✓													2.840	
6	456	641		150	150	✓													2.387	
7	457	650		125	125	✓													2.751	
8	458	657		100	100	✓													3.035	
9	459	695		75	75	✓													3.895	
10	460	697		50	50	✓													4.102	
11	461	707		30	30	✓													4.498	
12	462	708		20	20	✓													5.305	
13	463	709		10	10	✓													6.237	
14	464	712		0	0.8	✓		↘											7.718	
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: DS
CHECKED BY:Bottom Depth: 376Cast # down: 033Cast # up: 033

Time	LOC	UTC
Begin:		1517
Bottom:		1525
End:		1544

START POSITION (GPS)		
LAT:	50°	55.51
LONG:	126°	23.23

BOTTOM POSITION (GPS)		
LAT:		55.52
LONG:		23.35

END POSITION (GPS)		
LAT:		55.56
LONG:		23.59

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: 135UTC DATE y/m/d: 30/7/99
CAST NUMBER: 34SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO	Phy					
1	465	1062		bot-5	123	✓	✓	↑									DO ml/l
2	466	1105		100	100	✓											1.80
3	467	1106		75	75	✓											6.733
4	468	1110		50	50	✓											1299
5	469	1120		30	30	✓											2.777
6	470	1128		20	20	✓											4.245
7	471	1130		10	10	✓											4.310
8	472	1132		5	5	✓						✓					5.010
9	473	1134		0	1.1	✓		↓				✓					5.993
10																	7.025
11																	7.026
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments: #469 Dosimat stalled -ENTERED BY: DJS
CHECKED BY:Bottom Depth: 132Cast # down: 034Cast # up: 034

Time	LOC	UTC
Begin:		1617
Bottom:		1620
End:		1631

START POSITION (GPS)		
LAT:	50°	52.91
LONG:	126°	25.99

BOTTOM POSITION (GPS)		
LAT:	52.90	
LONG:	26.01	

END POSITION (GPS)		
LAT:		
LONG:		

ROSETTE LOG

MISSION ID: 9931
STATION NAME: KIN 1UTC DATE y/m/d: 30/7/99
CAST NUMBER: 35SHIP: 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		Ph-H			
1	474	1135		bot-5	464	✓		✓	↑	↑								3.295
2	475	1136		400	400	✓		✓	↑	↑								3.314
3	476	1137		300	300	✓		✓	↑	↑								3.829
4	477	1138		250	250	✓			↑	↑								3.663
5	478	1141		200	200	✓			↑	↑								2.918
6	479	1142		175	175	✓			↑	↑								2.950
7	480	1146		150	150	✓			↑	↑								3.107
8	481	1148		125	125	✓			↑	↑								2.913
9	482	1153		100	100	✓			↑	↑								3.167
10	483	1154		75	75	✓			↑	↑								3.714
11	484	1158		50	50	✓			↑	↑								4.514
12	485	1168		30	30	✓			↑	↑								4.554
13	486	1171		20	20	✓			↑	↑								4.715
14	487	1174		10	10	✓			↑	↑	✓							5.168
15	488	1175		5	5	✓			↑	↑	✓			✓				7.441
16	489	1176		0	0-6	✓			↓	↓	✓			✓				8.041
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 475Cast # down: 035Cast # up: 035

Time	LOC	UTC
Begin:		1731
Bottom:		1740
End:		1800

START POSITION (GPS)	
LAT:	50° 53.60
LONG:	126° 34.48

BOTTOM POSITION (GPS)	
LAT:	53.56
LONG:	34.49

END POSITION (GPS)	
LAT:	53.50
LONG:	34.52

Comments: #486 - Dosimat stalled

ROSETTE LOG

MISSION ID: 9931

STATION NAME: BE 3

UTC DATE y/m/d: 99/07/31

CAST NUMBER: 36

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	490	84		bott-10	273	✓		✓									2.170	
2	491	255		250		✓		↑									2.427	
3	492	333		200		✓											3.208	
4	493	364		175		✓											3.260	
5	494	364		150		✓											3.302	
6	495	342		125		✓											3.313	
7	496	425		100		✓											3.459	
8	497	443		75		✓											3.631	
9	498	467		50		✓											3.884	
10	499	486		30		✓											4.492	
11	500	509		20		✓											4.646	
12	501	535		10		✓											4.672	
13	502	534		0		✓		↓									6.751	
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

In header, called station Be1 instead of Be3

COMPUTER switched to DOS mode but DOSMART HUNG UP 3 TIMES #490, 491, 493 SO BACK TO WINDOWS STALLED AGAIN #501

ENTERED BY:

CHECKED BY:

Bottom Depth: 293m

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0215

Bottom:

End:

START POSITION (GPS)

LAT: 51 7 86

LONG: 127 22 15

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 51 7 86

LONG: 127 22 17

ROSETTE LOG

MISSION ID: 9931

STATION NAME: BE5

UTC DATE y/m/d: 99/07/31

CAST NUMBER: 37

SHIP: Vector

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

ROSETTE OPERATION	
Trip pressure	Confirmed Salinity

Samples taken									
SAL	✓	NUT	✓	ALK	✓	TCO	✓	Phy	
✓	OXY	✓	CHL	C13					

DD
ml/l.

1	503	572		275	264	✓	✓	✓											1.075
2	504	578		250		✓	✓												1.264
3	505	588		200		✓	✓												1.739
4	506	632		175		✓													1.716
5	507	641		150		✓													1.718
6	508	650		125		✓													1.743
7	509	657		100		✓													1.999
8	510	695		75		✓													1.990
9	511	697		50		✓													1.845
10	512	707		30		✓													4.297
11	513	728		20		✓													4.736
12	514	709		10		✓													4.709
13	515	712		5		✓													4.714
14	516	715		0															7.082
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:

CHECKED BY:

Bottom Depth: 270

Cast # down:

Cast # up:

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

Begin: 0333

Bottom: 0339

End:

START POSITION (GPS)

LAT: 51 7 20

LONG: 127 8 64

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/07/31

STATION NAME:

Be7

CAST NUMBER:

038

SHIP:

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														

80
ml/l

1	517	1062		286	244	✓		✓											0.485
2	518	1105		250	240	✓													0.498
3	519	1106		200		✓													0.656
4	520	1110		175		✓													0.594
5	521	1126		150		✓													0.534
6	522	1128		125		✓													0.524
7	523	1130		100		✓													0.371
8	524	1132		75		✓													0.284
9	525	1134		50		✓													0.458
10	526	1135		30		✓													2.222
11	527	1136		20		✓													3.557
12	528	1137		10		✓													4.670
13	529	1138		0		✓		✓											6.294
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:

CHECKED BY:

Bottom Depth: 254

Cast # down:

Cast # up:

Time	LOC	UTC
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Begin: 0448

Bottom: 0454

End: 0510

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 51 06.30

LONG: 126 55.76

END POSITION (GPS)

LAT: 51 06.25

LONG: 126 55.70

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: SE 8UTC DATE y/m/d: 31/7/99
CAST NUMBER: 39SHIP: VECTORNiskin 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		Phy						
1	530	84		bot-r	131	✓								2.189	
2	531	255		100	100	✓							.490	2.758	Chlorophyll
3	532	333		75	75	✓								2.987	
4	533	337		50	50	✓								3.198	
5	534	364		30	30	✓								3.563	
6	535	392		20	20	✓								3.879	
7	536	425		10	10	✓								4.126	
8	537	443		5	5	✓								7.952	
9	538	467		0	0.8	✓								8.934	
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 139Cast # down: 039Cast # up: 039

Time	LOC	UTC
Begin:		1408
Bottom:		1412
End:		1423

START POSITION (GPS)
LAT: 51 10.96
LONG: 126 39.52BOTTOM POSITION (GPS)
LAT: 10.95
LONG: 39.52END POSITION (GPS)
LAT: 10.88
LONG: 39.53

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: SE 7.5

UTC DATE y/m/d: 31/7/99
CAST NUMBER: 40

SHIP: VECTOR

[illegible]

Comments: * 540 DOS max stalled

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 371

Cast # down: 40

Cast # up: 40

Time	LOC	UTC
Begin:		1450
Bottom:		1459
End:		1519

START POSITION (GPS)		
LAT:	51°	8.15
LONG:	126°	41.50

BOTTOM POSITION (GPS)	
LAT:	8.11
LONG:	41.56

END POSITION (GPS)	
LAT:	8 05 ⁰⁰
LONG:	41.70

ROSETTE LOG

MISSION ID: 9931
STATION NAME: SE7UTC DATE y/m/d: 31/7/99
CAST NUMBER: 041SHIP: VECTORNiskin 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	533	708.		bot-5	292	✓								1.419	
2	554	709.		250	250	✓								1.445	
3	555	712		200	200	✓								1.524	
4	556	715		175	175	✓								1.632	
5	557	727		150	150	✓								2.133	
6	558	730		125	125	✓								2.794	
7	559	1189.		100	100	✓								3.658	
8	560	1192		75	75	✓								4.433	
9	561	1193		50	50	✓								4.32	
10	562	1194		30	30	✓								3.903	
11	563	1195		20	20	✓								4.159	
12	564	1197		10	10	✓								4.509	
13	565	1198.		0	0.9	✓								7.750	
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 277Cast # down: 041Cast # up: 041

Time	LOC	UTC
Begin:		1546
Bottom:		1552
End:		1612

START POSITION (GPS)		
LAT:	51°	5.78
LONG:	126°	45.03

BOTTOM POSITION (GPS)		
LAT:	51°	5.95
LONG:	126°	45.10

END POSITION (GPS)		
LAT:		5.91
LONG:		45.16

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: FS1UTC DATE y/m/d: 31/7/99
CAST NUMBER: 42SHIP: 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		Ph ₂ h					
1	566	1201		bot-5	233	✓	✓										6.00	
2	567	1202		200	200	✓	✓										0.00	
3	568	1203		175	175	✓											0.00	
4	569	1204		150	150	✓											0.00	
5	570	1206		125	125	✓											0.00	
6	571	1209		100	100	✓								0.08			0.010	check
7	572	1210		75	75	✓											1.162	
8	573	1212		50	50	✓											3.179	
9	574	1215		30	30	✓											4.732	
10	575	1216		20	20	✓											5.039	
11	576	1218		10	10	✓				✓							6.354	
12	577	1219		5	5	✓				✓				✓			6.930	
13	578	1222		0	0.6	✓			✓					✓			7.446	
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: DJS

CHECKED BY:

Bottom Depth: 244Cast # down: 042Cast # up: 042

Time LOC UTC

Begin: 1654Bottom: 1700End: 1718

START POSITION (GPS)

LAT: 51° 2.22LONG: 126° 42.97

BOTTOM POSITION (GPS)

LAT: 2.01LONG: 42.97

END POSITION (GPS)

LAT: 2.18LONG: 42.90

Comments:

x H₂S in BOT 1+2+3+4

ROSETTE LOG

MISSION ID: 9931
STATION NAME: SE 6UTC DATE y/m/d: 31/7/99
CAST NUMBER: 43SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	✓	ALK	✓	TCO	✓	Phy		
1	579	1223		bot-5	527	✓	✓		↑	↑							1.025
2	580	1224		400	400	✓	✓		↑	↑							1.122
3	581	1225		300	300	✓			↑	↑							1.204
4	582	1228		250	251	✓			↑	↑							2.155
5	583	1230		200	200	✓			↑	↑							1.553
6	584	1231		175	175	✓			↑	↑							1.605
7	585	1233		150	150	✓			↑	↑							1.942
8	586	1234		125	125	✓			↑	↑							3.032
9	587	1235		100	101	✓			↑	↑							4.158
10	588	1237		75	75	✓			↑	↑							4.784
11	589	1238		50	50	✓			↑	↑							4.390
12	590	1062		30	30	✓			↑	↑							4.600
13	591	1105		20	20	✓			↑	↑							4.908
14	592	1106		10	10	✓			↑	↑	✓						4.992
15	593	1110		5	5	✓			↑	↑	✓			✓			7.218
16	594	1126		0	0.7	✓			↓	↓	✓			✓			7.098
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 244Cast # down: 043Cast # up: 043

Time	LOC	UTC
Begin:		1806
Bottom:		1817
End:		1846

START POSITION (GPS)		
LAT:	51°	4.29
LONG:	126°	52.39

BOTTOM POSITION (GPS)		
LAT:		4.32
LONG:		52.47

END POSITION (GPS)		
LAT:		4.42
LONG:		52.54

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/07/31

STATION NAME:

SE5

CAST NUMBER:

44

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	595	1128		600	589	✓	✓	✓									1.005
2	596	1130		500	500	✓	✓										1.090
3	597	1132		400	400	✓											1.101
4	598	1134		300	300	✓											1.289
5	599	1135		250	251	✓											1.515
6	600	1136		200	200	✓											1.638
7	601	1137		175	175	✓											1.832
8	602	1138		150	150	✓											2.188
9	603	1141		125	125	✓											4.183
10	604	1142		100	100	✓											4.744
11	605	1144		75	75	✓											4.951
12	606	1148		50	50	✓											5.061
13	607	1153		30	30	✓											4.987
14	608	1154		20	20	✓											4.956
15	609	1158		10	10	✓											5.402
16	610	1168		0	0.7	✓											6.674
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:

CHECKED BY:

Bottom Depth:

615

Cast # down:

044

Cast # up:

044

Time

LOC

UTC

Begin:

1922

Bottom:

1933

End:

2002

START POSITION (GPS)

LAT:

51°

4.30

LONG:

127°

0.73

BOTTOM POSITION (GPS)

LAT:

51°

4.36

LONG:

127°

0.79

END POSITION (GPS)

LAT:

51°

4.33

LONG:

127°

0.72

Comments:

*607 Dosimat stalled

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

31/7/99

STATION NAME:

SE4

CAST NUMBER:

45

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	611	1171		bot-5	534	✓	✓										1.030	
2	612	1174		400	400	✓	✓										1.079	
3	613	1175		300	300	✓											1.246	
4	614	1176		250	250	✓											1.595	
5	615	1177		200	200	✓											1.630	
6	616	1180		175	175	✓											1.780	
7	617	1188		150	150	✓											2.135	
8	618	1190		125	125	✓											3.355	
9	619	1194		100	100	✓											4.646	
10	620	1240		75	75	✓											11.829	
11	621	1241		50	50	✓												
12	622	1243		30	30	✓											4.732	
13	623	1244		20	20	✓											4.717	
14	624	1247		10	10	✓											4.848	
15	625	1248		0	0-6	✓											6.637	
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

532

Cast # down:

045

Cast # up:

045

Time

LOC

UTC

Begin:

2035

Bottom:

2045

End:

2111

START POSITION (GPS)

LAT:

51°

3.14

LONG:

127°

8.00

BOTTOM POSITION (GPS)

LAT:

51°

3.11

LONG:

127°

8.06

END POSITION (GPS)

LAT:

3.06

LONG:

8.31

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

31/7/99

STATION NAME:

SE3

CAST NUMBER:

46

SHIP: VECTOR

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

ROSETTE OPERATION

Trip
pressure

Confirmed
Salinity

Samples taken

SAL

NUT

ALK

TCO

OXY

CHL

C13

DO
mell.

1	626	1249		bot-5	435	✓		✓									996	
2	627	1251		400		✓		✓									972	
3	628	1252		300		✓		✓									1.126	
4	629	1256		250		✓		✓									1.812	
5	630			200		✓		✓									1.612	
6	631	1257		175		✓		✓									2.112	
7	632	1258		150		✓		✓									2.873	
8	633	1260		125		✓		✓									4.018	
9	634	1261		100		✓		✓									4.587	
10	635	1264		75		✓		✓									4.546	1
11	636	1267		50		✓		✓									4.630	
12	637	1268		30		✓		✓									4.732	
13	638	1269		20		✓		✓									5.307	
14	639	1270		10		✓		✓									5.272	
15	640	1271		0		✓		✓									7.584	
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

444

Cast # down:

46

Cast # up:

Time

LOC

UTC

Begin:

2147

Bottom:

2155

End:

2213

START POSITION (GPS)

LAT: 51° 2.85'

2.85'

LONG: 127° 15.46'

15.46'

BOTTOM POSITION (GPS)

LAT: 51° 02.85'

LONG: 127° 15.45'

END POSITION (GPS)

LAT: 51° 02.85'

LONG: 127° 15.48'

Comments:

ROSETTE LOG

MISSION ID:**STATION NAME:**

UTC DATE y/m/d:

CAST NUMBER:

SHIP:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

22 57

Bottom:

2300

End:

23 09

START POSITION (GPS)

LAT: 51 03 50

LONG: 127 23 45

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: BUR 15

UTC DATE y/m/d: 1/8/99
CAST NUMBER: 048

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		ml				

DO ml/l

1	649	1062		bot-5	209	✓												2.599
2	650	1105		175	175	✓												2.592
3	651	1106		150	150	✓												2.771
4	652	1110		125	125	✓												2.903
5	653	1126		100	100	✓												2.756
6	654	112		75	75	✓												2.947
7	655	1130		50	50	✓												2.330
8	656	1132		30	30	✓												2.917
9	657	1134		20	20	✓												2.716
10	658	1135		10	10	✓				✓								3.062
11	659	1136		5	5	✓				✓								3.719
12	660	1137		0	0.5	✓				✓								8.418
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 222

Cast # down: 048
Cast # up:

Time	LOC	UTC
Begin:		1415
Bottom:		1419
End:		1436

START POSITION (GPS)		
LAT:	52°	3.19
LONG:	126°	42.26

BOTTOM POSITION (GPS)		
LAT:		3.18
LONG:		42.23

END POSITION (GPS)		
LAT:		3.15
LONG:		42.21

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: BUR 14UTC DATE y/m/d: 1/8/99
CAST NUMBER: 049SHIP: 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	661	1138		bot-5	281	✓											2.643	
2	662	1141		250	250	✓											2.655	
3	663	1142		200	200	✓											2.631	
4	664	1146		175	175	✓											2.608	
5	665	1148		150	150	✓											2.638	
6	666	1153		125	125	✓											2.657	
7	667	1154		100	100	✓											2.791	
8	668	1158		75	75	✓											2.972	
9	669	1168		50	50	✓											2.422	
10	670	1171		30	30	✓											2.499	
11	671	1174		20	20	✓											2.789	
12	672	1175		10	10	✓											3.145	
13	673	1176		0	0.5	✓											7.923	
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: * 663 DO SIMT STALLED
670* 661 NOT IN OXY fileENTERED BY: DJS
CHECKED BY:Bottom Depth: 293Cast # down: 049

Cast # up:

Time	LOC	UTC
Begin:		1515
Bottom:		1521
End:		1541

START POSITION (GPS)		
LAT:	52°	7.42
LONG:	126°	47.15

BOTTOM POSITION (GPS)		
LAT:		7.42
LONG:		47.15

END POSITION (GPS)		
LAT:		7.53
LONG:		47.27

ROSETTE LOG

MISSION ID:**STATION NAME:**

UTC DATE y/m/d:

CAST NUMBER:

SHIP: VECTOR

ENTERED BY: DJS

CHECKED BY:

Bottom Depth: 278

Cast # down: 050

Cast # up: 050

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

Begin: 1623

Bottom: 1629

End: 1645

START POSITION (GPS)

LAT: 52° 11.49

LONG: 126° 54.41

BOTTOM POSITION (GPS)

LAT: 11.53

LONG: 54.34

END POSITION (GPS)

LAT: 11.52

LONG: 59.42

[illegible]

Comments: #674 NOT IN .oxy file

ROSETTE LOG

MISSION ID: 9931
STATION NAME: Bur12UTC DATE y/m/d: 1/8/99
CAST NUMBER: 51SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO						
1	687	1212		bot-5	447	✓	✓										DO ml/l
2	688	1215		400	400	✓	✓										2845
* 3	689	1216		300	300	✓	✓										2850
4	690	1218		250	250	✓											2970
5	691	1219		200	200	✓											2993
6	692	1222		175	175	✓											2938
7	693	1223		150	150	✓											2670
8	694	1224		125	125	✓											2601
9	695	1225		100	100	✓											2645
10	696	1228		75	75	✓											2741
11	697	1230		50	50	✓											2728
12	698	1231		30	30	✓											2973
13	699	1233		20	20	✓											2953
14	700	1234		10	10	✓											3182
15	701	1235		0	0.6	✓											3838
16																	7441
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: DJS

CHECKED BY:

Bottom Depth: 455Cast # down: 051

Cast # up:

Time	LOC	UTC
Begin:		1729
Bottom:		1739
End:		1800

START POSITION (GPS)		
LAT:	52°	17.20
LONG:	126°	57.98

BOTTOM POSITION (GPS)		
LAT:		17.26
LONG:		57.99

END POSITION (GPS)		
LAT:		17.43
LONG:		57.99

Comments: * Ooops - WRONG SAMPLE ENTERED #1269

ROSETTE LOG

MISSION ID: 9931
STATION NAME: Byrll

UTC DATE y/m/d: 1/8/99
CAST NUMBER: 52

SHIP: VECTOR

[illegible]

ENTERED BY: DJ S

CHECKED BY:

Bottom Depth: 264

Cast # down: 52

Cast # up: 52

Time	LOC	UTC
Begin:		1858
Bottom:		1904
End:		1920

START POSITION (GPS)	
LAT:	52° 22.79'
LONG:	126° 49.93'

BOTTOM POSITION (GPS)	
LAT:	52 22 80
LONG:	126 49.94

END POSITION (GPS)	
LAT:	22.79
LONG:	119.45

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: Bar 8UTC DATE y/m/d: 1/8/99
CAST NUMBER: 53SHIP: 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	716	1062		bot-5	560	✓	✓		✓								2.753	check entry
2	717	1105		500	500	✓	✓										2.921	
* 3	718	1106		400	400	✓	✓										2.802	check entry D. 754 m
4	719	1110		300	300	✓											3.821	
5	720	1126		250	250	✓											2.982	
6	721	1128		200	200	✓											2.922	
7	722	1130		175	175	✓											2.882	
8	723	1132		150	150	✓											3.069	
9	724	1134		125	125	✓											3.026	
10	725	1135		100	100	✓											2.796	
11	726	1136		75	75	✓											2.897	
12	727	1138		50	50	✓											3.138	
13	728	1138		30	30	✓											3.209	
14	729	1141		20	20	✓											3.494	
15	730	1142		10	10	✓											3.731	
* 16	731	1146		0	05	✓											7.705	low range 7040.9
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: DJS

CHECKED BY:

Bottom Depth: 568Cast # down: 53Cast # up: 53

Time LOC UTC

Begin: 2045Bottom: 2056End: 2120

START POSITION (GPS)

LAT: 52° 19.75LONG: 126° 10.88

BOTTOM POSITION (GPS)

LAT: 19.78LONG: 10.83

END POSITION (GPS)

LAT: 19.79LONG: 10.82

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

1/8/99

STATION NAME:

Bur 6

CAST NUMBER:

54

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 Phyt

DO
ml/l

1	732	1148		bot-5	585	✓	✓	↑	↑										2.766
2	733	1153		500		✓	✓	↑	↑										2.827
3	734	1154		400		✓	✓	↑	↑										2.892
4	735	1158		300		✓	✓	↑	↑										2.935
5	736	1168		250		✓													2.891
6	737	1171		200		✓													2.799
7	738	1174		175		✓													2.912
8	739	1175		150		✓													2.931
9	740	1176		125		✓													2.967
10	741	1177		100		✓													3.283
11	742	1180		75		✓													3.280
12	743	1188		50		✓													3.036
13	744	1190		30		✓													3.149
14	745	1191		20		✓													3.889
15	746	84		10		✓				✓									4.093 0.735 ml
16	747	255		5		✓				✓									6.656
17	748	333		0				↓	↓	✓									7.114
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:

DJ S

CHECKED BY:

Bottom Depth: 600.

Cast # down:

54

Cast # up:

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

Begin: 2216

Bottom: 2227

End: 2254

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 5214.25

LONG: 12722.68

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

STATION NAME:

9931

RUR 4

UTC DATE y/m/d:

CAST NUMBER:

99/08/01

55

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 442

Cast # down: 55

Cast # up: 55

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

Begin: 2358

Bottom: 0006

End:

START POSITION (GPS)

LAT: 52 08.19

LONG: 127 35.22

BOTTOM POSITION (GPS)

LAT: 52 08 26

LONG: 127 35.19

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/02

STATION NAME:

Bur 2

CAST NUMBER:

56

SHIP: VECTOR

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

ROSETTE OPERATION

Trip
pressure

Confirmed
Salinity

Samples taken

SAL

✓

NUT

ALK

TCO

OXY

CHL

C13

*

1	764	650		bot-5	237	✓												check
2	765			200		✓												2834
3	766			175		✓												2.765
4	767			150		✓												2.772
5	768			125		✓												2673
6	769	708	139.88	100		✓												check flask #
7	770	709	137.97	75		✓												2867
8	771			50		✓												2950
9	772			30		✓												3.127
10	773	727		20		✓												3356
11	774			10		✓												4.182
12	775	1189		0		✓												6.833
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth: 243.

Cast # down:

Cast # up:

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

Begin: 01 33

Bottom: 01 38

End:

START POSITION (GPS)

LAT: 51 58 66

LONG: 127 40 84

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 51 58 64

LONG: 127 40 85

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/02

SHIP:

VECTOR

STATION NAME:

BUR 1

CAST NUMBER:

57

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	776	1240		bott-10	334	✓											2.181	
2	777			300		✓											2.215	
3	778			250		✓											2.288	
4	779	1244		200		✓											2.472	
5	780	1247		175		✓											2.599	
6	781	1248		150		✓											2.663	
7	782			125		✓											2.741	
8	783	1251		100		✓											2.913	
9	784			75		✓											3.063	
10	785			50		✓											3.083	✓
11	786	1254		30		✓											3.539	
12	787			20		✓											4.280	
13	788			10		✓			✓								5.181	
14	789			5		✓			✓			✓					6.462	
15	790			0		✓			✓			✓					7.879	check
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 352

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0254

Bottom: 0301

End: 0317

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 51 54 15

LONG: 127 56-89

END POSITION (GPS)

LAT: 51 54 15

LONG: 127 56.79

Comments:

Note 2 Samples #1d 790 - Next one is 790B.

ROSETTE LOG

MISSION ID: 9931
STATION NAME: Do 1UTC DATE y/m/d: 2/8/99
CAST NUMBER: 58SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO	me/l
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	✓	ALK	TCO	✓							
1	790	84		bot-5	451	✓	✓	✓											3.021	
2	791	255		400	400	✓	✓	✓											3.037	
3	792	533		300	300	✓	✓	✓											3.253	
4	793	337		250	250	✓													3.373	
5	794	364		200	200	✓													3.790	
6	795	392		175	175	✓													3.502	
7	796	425		150	150	✓													3.538	
8	797	443		125	125	✓													3.714	
9	798			125	125	✓														
10	799	486		100	100	✓													3.919	
11	800	509		75	75	✓													3.930	
12	801	534		50	50	✓													4.096	
13	802	535		30	30	✓													4.401	
14	803	592		20	20	✓													4.386	
15	804			10	10	✓				✓									5.135	
16	805			5	5	✓				✓			✓						5.879	
17	806			0	0.7	✓		✓		✓			✓	135					7.408	1.344 ml
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: DJS

CHECKED BY:

Bottom Depth: 458Cast # down: 58Cast # up: 58

Time LOC UTC

Begin: 801 1501Bottom: 810 1510End: 831 1531

START POSITION (GPS)

LAT: 53° 22.36LONG: 129° 11.59

BOTTOM POSITION (GPS)

LAT: 22.38LONG: 11.55

END POSITION (GPS)

LAT: 22.44LONG: 11.45

Comments:

X Duplicate - do not process

X 2 samples at 790 - this is 790 B

X #806 STRANGE CURVE check end pt.

X DOSIMAT STARTED #800

ROSETTE LOG

MISSION ID: 9931
STATION NAME: D02UTC DATE y/m/d: 2/8/99
CAST NUMBER: 59SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	☒	NUT	ALK	TCO							
1	807	641		bot-5	391	✓											3077	
2	808	650		300	300	✓											3270	
3	809	697		250	250	✓											3359	
4	810	657		200	200	✓											3536	
5	811	695		175	175	✓											3559	
6	812	707		150	150	✓											3627	
7	813	708		125	125	✓											3931	
8	814	709		100	100	✓											3864	
9	815	712		75	75	✓											4025	
10	816	715		50	50	✓											4088	
11	817	727		30	30	✓											4308	
12	818	720		20	20	✓											4448	
13	819	1062		10	10	✓											5174	
14	820	1105		0	0.8	✓											7855	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: DJS

CHECKED BY:

Bottom Depth: 398Cast # down: 59Cast # up: 59

Time LOC UTC

Begin: 1610Bottom: 1618End: 1635

START POSITION (GPS)

LAT: 53° 26.80LONG: 129° 12.41

BOTTOM POSITION (GPS)

LAT: 53° 26.81LONG: 12.49

END POSITION (GPS)

LAT: 26.84LONG: 12.50

ROSETTE LOG

MISSION ID: 9931
STATION NAME: D23UTC DATE y/m/d: 2/8/99
CAST NUMBER: 60SHIP: 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	821	1106		6.5	336	✓											3.178
2	822	1110		300	300	✓											3.226
3	823	1126		250	250	✓											4.342
4	824	1128		200	200	✓											3.542
5	825	1130		175	175	✓											3.545
6	826	1132		150	150	✓											3.639
7	827	1134		125	125	✓											4.297
8	828	1135		100	100	✓											3.889
9	829	1136		75	75	✓											4.118
10	830	1137		50	50	✓											4.155
*11	831	1138		30	30	✓											4.349
12	832	1141		20	20	✓											4.389
13	833	1142		10	10	✓											4.938
14	834	1146		0	0.6	✓											7.269
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 346Cast # down: 60Cast # up: 60

Time	LOC	UTC
Begin:		1709
Bottom:		1715
End:		1731

START POSITION (GPS)		
LAT:	53°	31.49
LONG:	129°	12.25

BOTTOM POSITION (GPS)		
LAT:		31.55
LONG:		12.20

END POSITION (GPS)		
LAT:		31.65
LONG:		12.10

Comments:

* Relief valve left open

ROSETTE LOG

MISSION ID: 9931
STATION NAME: Da 4UTC DATE y/m/d: 2/8/99
CAST NUMBER: 61SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	835	1148		bot-5	315	✓											DD	
2	836	1153		250	250	✓											ml/l	
3	837	1154		200	200	✓												
4	838	1158		175	175	✓												
5	839	1168		150	150	✓												
6	840	1171		125	125	✓												
7	841	1174		100	100	✓												
8	842	1175		75	75	✓												
9	843	1176		50	50	✓												
10	844	1177		30	30	✓												
11	845	1180		20	20	✓												
12	846	1188		10	10	✓												
13	847	1190		0	0.8	✓												
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 320Cast # down: 61Cast # up: 61

Time	LOC	UTC
Begin:		1812
Bottom:		1818
End:		1833

START POSITION (GPS)		
LAT:	53°	37.45
LONG:	129°	12.31

BOTTOM POSITION (GPS)		
LAT:		37.44
LONG:		12.27

END POSITION (GPS)		
LAT:		37.50
LONG:		12.23

ROSETTE LOG

MISSION ID: 9931
STATION NAME: DO 5UTC DATE y/m/d: 2/8/99
CAST NUMBER: 62SHIP: VECTORNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												DD ml/l	
Trip	Confirmed	SAL		NUT		ALK		TCO							
pressure	Salinity		OXY		CHL		C13								
1	848	1192		bot-5	387	✓		✓	↑						3.475
2	849	1193		300	301	✓		✓							3.521
3	850	1194		250	250	✓									3.609
4	851	1195		200	200	✓									3.619
5	852	1197		175	175	✓									3.624
6	853	1201		150	150	✓									3.657
7	854	1198		125	125	✓									3.748
8	855	1202		100	100	✓									3.869
9	856	1203		75	76	✓									4.104
10	857	1204		50	50	✓									4.167
11	858	1206		30	30	✓									4.292
12	859	1209		20	20	✓									4.430
13	860	1210		10	10	✓									4.922
14	861	1212		0	0.8	✓			↓						7.411
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 400Cast # down: 62Cast # up: 62

Time	LOC	UTC
Begin:		1903
Bottom:		1910
End:		1931

START POSITION (GPS)		
LAT:	53°	40.50
LONG:	129°	7.36

BOTTOM POSITION (GPS)		
LAT:		40.45
LONG:		7.34

END POSITION (GPS)		
LAT:		40.50
LONG:		7.34

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: D06UTC DATE y/m/d: 2/8/99
CAST NUMBER: 63SHIP: VECTORNiskin 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	862	1215		bot-5	365	✓						3.492	
2	863	1216		300	300	✓						3.539	
3	864	1218		250	250	✓						3.585	
4	865	1219		200	200	✓						3.671	
5	866	1222		175	175	✓						3.669	
6	867	1223		150	151	✓						3.711	
7	868	1224		125	125	✓						3.785	
8	869	1225		100	100	✓						3.890	
9	870	1228		75	75	✓						3.952	
10	871	1230		50	50	✓						4.176	
11	872	1231		30	30	✓						4.252	
12	873	1233		20	20	✓						4.378	
13	874	1234		10	10	✓						4.862	
14	875	1235		0	0.8	✓						6.987	
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 374Cast # down: 63Cast # up: 63

Time	LOC	UTC
Begin:		2011
Bottom:		2018
End:		2038

START POSITION (GPS)		
LAT:	53°	44.30
LONG:	129°	1.37

BOTTOM POSITION (GPS)		
LAT:		44.30
LONG:		1.37

END POSITION (GPS)		
LAT:		44.30
LONG:		1.37

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: GILTUTC DATE y/m/d: 2/8/99
CAST NUMBER: 64SHIP: VECTORNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												DO	ml/l
Trip	Confirmed	SAL	OXY	NUT	CHL	ALK	C13	TCO							
pressure	Salinity														
1	876	84		bot-5	185	✓								4.206	
2	877	255		175	175	✓								4.205	
3	878	333		150	150	✓								4.115	
4	879	337		125	125	✓								3.424	
5	880	364		100	100	✓								2.666	
6	881	392		75	75	✓								3.285	
7	882	425		50	50	✓								4.154	
8	883	443		30	30	✓								3.934	
9	884	467		20	20	✓								4.276	
10	885	486		10	10	✓								4.922	
11	886	509		5	5	✓								5.928	
12	887	534		0	0.9									8.367	
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 195Cast # down: 64

Cast # up:

Time	LOC	UTC
Begin:		2131
Bottom:		2135
End:		2148

START POSITION (GPS)	
LAT: <u>53°</u>	<u>50.82</u>
LONG: <u>128°</u>	<u>58.20</u>

BOTTOM POSITION (GPS)	
LAT:	<u>50.82</u>
LONG:	<u>58.18</u>

END POSITION (GPS)	
LAT:	<u>50.77</u>
LONG:	<u>58.21</u>

Comments: #880 - Dosimat stalled again

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

2/8/99

STATION NAME:

D07

CAST NUMBER:

65

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	888	535		bot-5	382	✓													3.544
2	889	522		300		✓													3.575
3	890	578		250		✓													3.787
4	891	588		200		✓													3.765
5	892	632		175		✓													3.692
6	893	641		150		✓													3.812
7	894	650		125		✓													3.777
8	895	657		100		✓													3.922
9	896	695		75		✓													4.078
10	897	697		50		✓													4.217
11	898	707		30		✓													4.344
12	899	708		20		✓													4.541
13	900	709		10		✓													5.176
14	901	712		5		✓													5.527
15	902	715		0		✓													7.088
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

392

Cast # down:

65

Cast # up:

Time

LOC

UTC

Begin:

2243

Bottom:

2253

End:

2310

START POSITION (GPS)

LAT:

53 47.26

LONG:

128 53.34

BOTTOM POSITION (GPS)

LAT:

53 47.25

LONG:

128 53.27

END POSITION (GPS)

LAT:

5347.33

LONG:

128 53.21

Comments:

901 - check end pt.

ROSETTE LOG

MISSION ID: 9931
STATION NAME: D08UTC DATE y/m/d: 99/08/02
CAST NUMBER: 66SHIP: vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	903	1240		322	311	✓		✓									3.589	
2	904	1241		300		✓											3.597	
3	905	1243		250		✓											3.599	
4	906			200		✓											3.655	
5	907	1247		175		✓											3.673	
6	908	1248		150		✓											3.708	
7	909			125		✓											3.766	
8	910	1251		100		✓											3.869	
9	911			75		✓											4.056	
10	912	1256		50		✓											4.079	
11	913			30		✓											4.517	
12	914			20		✓											4.693	
13	915			10		✓											5.181	
14	916			0		✓		✓									7.834	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 321.

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		2342
Bottom:		2349
End:		0006

START POSITION (GPS)	
LAT:	53 50 68
LONG:	128 48 12

BOTTOM POSITION (GPS)	
LAT:	53 50 71
LONG:	128 48 08

END POSITION (GPS)	
LAT:	53 50 69
LONG:	128 48 08

Comments: INCORRECT #'S ON BOTTLE LABELS - changed to these #'s

ROSETTE LOG

MISSION ID: 9931
STATION NAME: D09UTC DATE y/m/d: 99/08/03
CAST NUMBER: 67SHIP: 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	917	1261.		bot-10	237	✓													3576	
2	918			200	200	✓													3620	
3	919			175	175	✓													3632	
4	920			150	150	✓													3690	
5	921			125	125	✓													3780	
6	922			100	100	✓													3826	
7	923			75	75	✓													4089	
8	924			50	50	✓													4206	
9	925			30	30	✓														
10	926			20	20	✓		✓											4797	
11	927			10	10	✓		✓											5356	
12	928	1276		0	0.9	✓		✓											7526	
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments: # 926 accidentally jumped

ENTERED BY:
CHECKED BY:Bottom Depth: 247Cast # down: 67Cast # up: 67

Time	LOC	UTC
Begin:		0037
Bottom:		0042
End:		0057

START POSITION (GPS)		
LAT:	53°	54.41
LONG:	128°	44.09

BOTTOM POSITION (GPS)		
LAT:		54.43
LONG:		44.09

END POSITION (GPS)		
LAT:		54.41
LONG:		44.05

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/03

STATION NAME:

D010

CAST NUMBER:

68

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 PHV

1	929	1192			bott-10	✓	143	↑									3.699
2	930				125	✓											3.760
3	931				100	✓											3.820
4	932	1195			75	✓											4.049
5	933				50	✓											3.958
6	934	1198			30	✓											4.581
7	935				20	✓											4.886
8	936				10	✓			✓								5.651
9	937				5	✓		↓	✓				✓				7.227
10	938				0	✓		✓	✓				✓				7.052
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:

CHECKED BY:

Bottom Depth: 155

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0127

Bottom:

End: 0139

START POSITION (GPS)

LAT: 53 58.63

LONG: 128 40 74

BOTTOM POSITION (GPS)

LAT: 53 58.63

LONG: 128 40.74

END POSITION (GPS)

LAT: 58.61

LONG: 40 72

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: Ga14

UTC DATE y/m/d: 3/8/99
CAST NUMBER: 69

SHIP: VECTOR

[illegible]

ENTERED BY:	UTS
CHECKED BY:	

Bottom Depth: 143

Cast # down: 69

Cast # up:	69
------------	----

Time	LOC	UTC
Begin:		1406
Bottom:		1409
End:		1421

START POSITION (GPS)		
LAT:	53°	15.88
LONG:	127°	55.51

BOTTOM POSITION (GPS)	
LAT:	15.93
LONG:	55.4

END POSITION (GPS)	
LAT:	15.95
LONG:	75.46

Comments:

ROSETTE LOG

MISSION ID: 99
STATION NAME: Ga12

UTC DATE y/m/d: 3/8/99
CAST NUMBER: 70

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	949	509		601.5	224	✓													4.062	
2	950	534		200	200	✓													4.048	
3	951	535		175	175	✓													4.058	
4	952	572		150	150	✓													4.016	
5	953	578		125	125	✓													3.887	
6	954	588		100	100	✓													3.682	
7	955	632		75	75	✓													3.720	
8	956	641		50	50	✓													3.669	
9	957	650		30	30	✓													3.420	
10	958	657		20	20	✓													3.167	
11	959	695		10	10	✓													5.093	
12	960	697		0	0.8														8.017	
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: DJ S
CHECKED BY:

Bottom Depth: 233

Cast # down: 70
Cast # up: 70

Time	LOC	UTC
Begin:		1526
Bottom:		1532
End:		1549

START POSITION (GPS)
LAT: 53° 22.73
LONG: 128° 3.41

BOTTOM POSITION (GPS)
LAT: 22.74
LONG: 3.35

END POSITION (GPS)
LAT: 22.81
LONG: 3.28

Comments:

ROSETTE LOG

MISSION ID:**STATION NAME:**

UTC DATE y/m/d:

CAST NUMBER:

SHIP:

VECTOR

ENTERED BY:

Tarcu

CHECKED BY:

Bottom Depth:

290

Cast # down:

7

Cast # up:

Time

LOC

UTC

Begin:

16.31

Bottom:

16.35

End:

16.55

START POSITION (GPS)

LAT: 53° 27.43

LONG: 128° 8.64

BOTTOM POSITION (GPS)

LAT: 53° 27.68

LONG: 128° 8.64

END POSITION (GPS)

LAT: 53° 27.66

LONG: 128° 8.53

Comments:

961 Dosimeter STALLED
991 " "

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

3/8/99

STATION NAME:

Ga9

CAST NUMBER:

72

SHIP:

vector

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

ROSETTE OPERATION

Trip
pressureConfirmed
Salinity

SAL

✓

NUT

ALK

TCO

C13

Samples taken

DO
ml/l.

1	975	1132		Bot-5	488	✓	I	I											4.228
2	976	1134		400	401	✓	I	I											4.620
3	977	1135		300	300	✓	I	I											4.091
4	978	1136		250	250	✓	I	I											4.149
5	979	1137		200	200	✓	I	I											4.111
6	980	1138		175	175	✓	I	I											4.097
7	981	1141		150	150	✓	I	I											4.101
8	982	1142		125	125	✓	I	I											4.100
9	983	1148		100	100	✓	I	I											3.646
10	984	1146		75	75	✓	I	I											3.631
11	985	1153		50	50	✓	I	I											3.690
12	986	1154		30	30	✓	I	I											3.695
13	987	1158		20	20	✓	I	I											3.687
14	988	1168		10	10	✓	I	I											4.299
15	989	1171		0		✓	I	I											8.007
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

977 - Observer killed

ENTERED BY:

CHECKED BY:

Bottom Depth:

494

Cast # down:

72

Cast # up:

Time

LOC

UTC

Begin:

1746

Bottom:

17.56

End:

18.18

START POSITION (GPS)

LAT: 53 28 99

LONG: 128 20 51

BOTTOM POSITION (GPS)

LAT: 53 28.99

LONG: 128 20.58

END POSITION (GPS)

LAT: 53 29 09

LONG: 128 20.48

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/03

STATION NAME:

GA 7

CAST NUMBER:

73

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	990	1192		bott-10	195	✓		✓										4.018
2	991	1193		175	175	✓		↑										4.057
3	992	1194		150	150	✓												4.025
4	993	1195		125	125	✓												4.016
5	994	1197		100	100	✓												3.980
6	995	1198		75	75	✓												3.861
7	996	1201		50	50	✓												3.764
8	997	1202		30	30	✓												3.752
9	998	1203		20	20	✓												3.874
10	999	1204		10	10	✓												4.273
11	1000!	1206		∅	0.78	✓		✓										7.576
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

TST

CHECKED BY:

Bottom Depth: 195

Cast # down: 73

Cast # up:

Time LOC UTC

Begin: 19.24

Bottom: 19.28

End: 19.42

START POSITION (GPS)

LAT: 53° 26.19

LONG: 128° 34.08

BOTTOM POSITION (GPS)

LAT: 53° 26.23

LONG: 128° 34.13

END POSITION (GPS)

LAT: 53° 26.24

LONG: 128° 34.11

ROSETTE LOG

MISSION ID: 9931
STATION NAME: GA 6UTC DATE y/m/d: 99/08/02
CAST NUMBER: 74SHIP: 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	1001	1209		BoH-10	191	✓								3.933	
2	1002	1210		175	176	✓								3.921	
3	1003	1212		150	150	✓								3.936	
*4	1004			125	125	✓									
5	1005	1216		100	100	✓								4.018	
6	1006	1218		75	75	✓								3.854	
7	1007	1219		50	50	✓								3.785	
8	1008	1222		30	30	✓								3.942	
9	1009	1223		20	20	✓								4.093	
10	1010	1224		10	10	✓								4.479	
11	1011	1225		0	0.8	✓								7.281	
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: TSE
CHECKED BY:Bottom Depth: 202Cast # down: 74

Cast # up:

Time	LOC	UTC
Begin:		20.27
Bottom:		20.32
End:		20.44

START POSITION (GPS)
LAT: 53° 30.47
LONG: 128° 42.46BOTTOM POSITION (GPS)
LAT: 53° 30.44
LONG: 128° 42.46END POSITION (GPS)
LAT: 53° 30.44
LONG: 128° 42.49Comments: No Sample 1004. MISFIRE ROSETTE

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/02

STATION NAME:

G44

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	✓	NUT	ALK	TCO							
1	1012	1228		Bot -10	190	✓											3.924	
2	1013	1230		175	175	✓											3.964	
3	1014	1231		150	150	✓											3.952	
4	1015	1233		125	125	✓											3.957	
5	1016	1234		100	100	✓											3.966	719
6	1017	1235		75	75	✓											4.014	
7	1018	1237		50	50	✓											4.017	
8	1019	1238		30	30	✓											4.112	
9	1020	84		20	20	✓											4.447	
10	1021	235		10	10	✓											5.385	-1
11	1022	333		0	0.85	✓											6.474	
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

TSE

CHECKED BY:

Bottom Depth:

202

Cast # down:

75

Cast # up:

Time

LOC

UTC

Begin:

21.41

Bottom:

21.45

End:

21.58

START POSITION (GPS)

LAT:

53° 32.78

LONG:

128° 53.01

BOTTOM POSITION (GPS)

LAT:

53° 32.71

LONG:

128° 53.08

END POSITION (GPS)

LAT:

53° 32.88

LONG:

128° 52.92

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/03

STATION NAME:

Ga 2

CAST NUMBER:

76

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	1023	337		Bott-10	369	✓	✓	✓											3.125	
2	1024	364		400	300	✓	✓												4.760	?
3	1025	392		300	300	✓	✓												3.197	
4	1026	425		250	250	✓													3.280	
5	1027	443		200	200	✓													3.449	
6	1028	467		175	175	✓													3.755	
7	1029	486		150	150	✓													3.555	
* 8	1030	509		125	125	✓													3.677	
9	1031	534		100	100	✓													3.797	
10	1032	535		75	75	✓													3.803	
11	1033	572		50	50	✓													3.878	
12	1034	578		30	30	✓													4.142	
13	1035	588		20	20	✓													4.371	
14	1036	632		10	10	✓													4.761	
15	1037	641		∅	∅	✓													8.676	
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments: #1024 4.760 (0.845 ml) 77 MAY BE over titrated re NO stir bar

1030 2 stir bars

ENTERED BY:

CHECKED BY:

Bottom Depth: 374

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2318

Bottom: 2325

End:

START POSITION (GPS)

LAT: 53 26 29

LONG: 128 55 71

BOTTOM POSITION (GPS)

LAT: 53 26 29

LONG: 128 55 69

END POSITION (GPS)

LAT: 53 26 29

LONG: 128 55 70

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/04

STATION NAME:

Ga 1

CAST NUMBER:

27

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	1038	1105		bott - 10	505	✓	✓	✓											3.003	
2	1039	1106		500		✓	✓	✓											3.015	
3	1040	1110		400		✓	✓	✓											3.112	
4	1041	1126		300		✓		✓											3.177	
5	1042	1128		250		✓		✓											4.073	
6	1043	1130		200		✓		✓											3.551	
7	1044	1132		175		✓		✓											3.519	
8	1045	1134		150		✓		✓											3.584	
9	1046	1135		125		✓		✓											3.725	
10	1047	1136		100		✓		✓											3.694	
11	1048	1137		75		✓		✓											3.672	
12	1049	1138		50		✓		✓											3.914	
13	1050	1141		30		✓		✓											4.264	
14	1051	1142		20		✓		✓											4.306	
15	1052	1148		10		✓		✓											4.953	
16	1053	1146		5		✓		✓											7.149	
17	1054	1153		0				✓											8.313	
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 527

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0031

Bottom: 0042

End: 0110

START POSITION (GPS)

LAT: 53 19 92

LONG: 128 54 32

BOTTOM POSITION (GPS)

LAT: 53 19 91

LONG: 128 54 33

END POSITION (GPS)

LAT: 53 19 85

LONG: 128 54 36

ROSETTE LOG

MISSION ID:**STATION NAME:**

UTC DATE y/m/d:

CAST NUMBER:

SHIP: VECTOR

ENTERED BY: DJS

CHECKED BY:

Bottom Depth: 173

Cast # down: 78

Cast # up:

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

Begin: 10.06

Bottom: 10 10

End: 10.21

START POSITION (GPS)

LAT: 54° 29' 15"

LONG: 130° 3.50

BOTTOM POSITION (GPS)

LAT: 54° 29.15

LONG: 130° 3.50

END POSITION (GPS)

LAT: 54° 29.17

LONG: 130° 3.51

[illegible]

Comments: Del. Dogmat Struck

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/04

STATION NAME:

WC 1

CAST NUMBER:

80

SHIP:

Vector

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

ROSETTE OPERATION

Trip
pressureConfirmed
Salinity

SAL

✓

NUT

Samples taken

ALK

TCO

C13

CHL

OXY

70
ml/l

1	1080	1105		Bot-5	57	✓		I										4.328
2	1081	1106		30	30	✓		I										4.586
3	1082	1110		20	20	✓		I										5.080
4	1083	1126		10	10	✓		I										6.519
5	1084	1128		0	10	✓		I										7.496
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

TSI

CHECKED BY:

Bottom Depth:

65

Cast # down:

80

Cast # up:

Time

LOC

UTC

Begin:

20.45

Bottom:

20.47

End:

20.52

START POSITION (GPS)

LAT: 54° 37.39

LONG: 130 23.41

BOTTOM POSITION (GPS)

LAT: 54° 37.40

LONG: 130° 23.43

END POSITION (GPS)

LAT: 54° 37.40

LONG: 130° 23.48

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/04

STATION NAME:

P11

CAST NUMBER:

81

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	✓	Phylo				
1	1085	1132		Bot-5	154	✓	✓	✓									2.575	
2	1086	1134		500	500	✓	✓	✓									2.598	
3	1087	1135		400	400	✓	✓	✓									2.613	
4	1088	1136		300	300	✓											2.629	
5	1089	1137		250	250	✓								434			2.686	check this
6	1090	1138		200	200	✓											2.706	
7	1091	1141		175	175	✓											2.780	
8	1092	1142		150	150	✓											2.800	
9	1093	1146		125	125	✓											2.892	
10	1094	1148		100	101	✓											2.995	
11	1095	1153		75	75	✓											3.501	
12	1096	1154		50	50	✓											4.191	
13	1097	1158		30	30	✓											4.551	
14	1098	1168		20	20	✓											5.017	
15	1099	1171		10	10	✓				✓							5.679	
16	1100	1174		5	5	✓				✓							6.028	
17	1101	1175		0	0.5	✓				✓			✓				8.778	
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: 1091 - DUSIMAT STALLER

ENTERED BY:

TSE

CHECKED BY:

Bottom Depth:

560

Cast # down:

81

Cast # up:

Time

LOC

UTC

Begin:

21.26

Bottom:

21.36

End:

22.01

START POSITION (GPS)

LAT:

54° 40.58

LONG:

130° 28.26

BOTTOM POSITION (GPS)

LAT:

54° 40.57

LONG:

130° 28.23

END POSITION (GPS)

LAT:

54° 40.53

LONG:

130° 28.51

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/04

SHIP:

Vector

STATION NAME:

P13

CAST NUMBER:

82

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL	NUT	ALK	TCO							
1	1102	1192		Bot-5	482	✓		✓									2.541
2	1103	1193		400		✓											2.577
3	1104	1194		300		✓											2.648
4	1105	1195		250		✓											2.677
5	1106	1197		200		✓											2.755
6	1107	1198		175		✓											2.780
7	1108	1201		150		✓											2.876
8	1109	1202		125		✓											2.950
9	1110	1203		100		✓											3.021
10	1111	1204		75		✓											3.336
11	1112	1206		50		✓											3.788
12	1113	1209		30		✓											4.713
13	1114	1210		20		✓											5.000
14	1115	1212		10		✓											5.608
15	1116	1215		0		✓											8.839
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: Bm

CHECKED BY:

Bottom Depth: 496

Cast # down:

Cast # up:

Time LOC UTC

Begin:

Bottom: 2303

End: 2326

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 54 46.71

LONG: 130 19.77

END POSITION (GPS)

LAT: 54 46.66

LONG: 130 19.65

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/05

SHIP: vector

STATION NAME:

PI 7

CAST NUMBER:

83

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	1117	1222		220	218	✓											2.676	
2	1118	1223		200		✓											2.691	
3	1119	1224		175		✓											2.728	
4	1120	1225		150		✓											2.791	
5	1121	1228		125		✓											2.846	
6	1122	1230		100		✓											2.906	
7	1123	1231		75		✓											3.136	
8	1124	1233		50		✓											3.658	
9	1125	1234		30		✓											4.161	
10	1126	1235		20		✓											4.618	
11	1127	1237		10		✓											4.706	
12	1128	1238		0		✓											6.782	Check end pt.
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: Bm

CHECKED BY:

Bottom Depth: 225.

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0102
Bottom:		0108
End:		0118

START POSITION (GPS)	
LAT:	54 59 30
LONG:	130 02.79

BOTTOM POSITION (GPS)	
LAT:	54 59.28
LONG:	130 02.78

END POSITION (GPS)	
LAT:	54 59 25
LONG:	130 02.75

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/05

STATION NAME:

AA3

CAST NUMBER:

89

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 Phy

ml/l

1	1129	84			bot-10	✓	380	✓										3.706	
2	1130				300	✓												4.205	
3	1131	333			250	✓												4.404	
4	1132	337			200	✓												4.756	
5	1133	364			175	✓												5.027	
6	1134	392			150	✓												5.195	
7	1135				125	✓												5.349	
8	1136	443			100	✓												5.263	
9	1137	467			75	✓												5.035	
10	1138	486			50	✓												5.242	
11	1139				30	✓												4.959	
12	1140	534			20	✓												5.406	
13	1141				10	✓												5.755	poor.
14	1142	572			5	✓												6.279	
15	1143	578			0	✓												7.492	poor
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:

CHECKED BY:

Bottom Depth: 392

Cast # down:

Cast # up:

Time LOC UTC

Begin: 04 22

Bottom: 04 30

End:

START POSITION (GPS)

LAT: 55 27 16

LONG: 129 37 02

BOTTOM POSITION (GPS)

LAT: 55 27 15

LONG: 129 37 05

END POSITION (GPS)

LAT: 55 27 15

LONG: 129 37 12

new Thio.

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: 066UTC DATE y/m/d: 99/08/05
CAST NUMBER: 85SHIP: 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	1144	588		bott-10	230	✓								3.765	
2	1145			200	230	✓								3.809	
3	1146	641		175	200	✓								3.729	
4	1147			150	175	✓								3.849	
5	1148	657		125	150	✓								3.723	poor.
6	1149			100	125	✓				OK →				3.947	check
7	1150	697		75	100	✓								3.880	
8	1151			50	75	✓								3.846	
9	1152	708		30	50	✓								3.891	
10	1153	712		20	30	✓				much too high				4.679	poor.
11	1154	709		10	20	✓								4.383	
12	1155	715		∅	10	✓								4.992	
13	1156	727		∅	∅									7.412	
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:		0539
Bottom:		0545
End:		0557

START POSITION (GPS)
LAT: 55 21 28
LONG: 129 45 92BOTTOM POSITION (GPS)
LAT: 55 21 29
LONG: 129 46 00END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

99131

UTC DATE y/m/d:

99/08/05

SHIP:

VECTOR

STATION NAME:

064

CAST NUMBER:

86

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO	CHL	C13	PMN				
1	1156	1105		bott-5	517	✓											3.507	
2	1157	1106		400	500	✓											3.491	
3	1158	1110		300	400	✓											3.523	
4	1159	1126		250	300	✓											3.580	
5	1160	1128		200	250	✓											3.586	
6	1161	1130		175	200	✓											3.663	
7	1162	1132		150	175	✓											3.733	
8	1163	1134		125	150	✓											3.826	
9	1164	1135		100	125	✓											3.900	
10	1165	1136		75	100	✓											3.841	
11	1166	1137		50	75	✓											3.877	
12	1167	1138		30	50	✓											4.214	
13	1168	1141		20	30	✓											4.313	
14	1169	1142		10	20	✓											5.204	
15	1170	1146		5	10	✓											7.261	
16	1171	1148		0	5	✓											7.765	
17	1172	1153		0	0	✓												
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

*ADSIMAT STALLED #1166, 1168

ENTERED BY:

CHECKED BY:

Bottom Depth: 527.

Cast # down:

Cast # up:

Time LOC UTC

Begin: 06 47

Bottom: 06 58

End:

START POSITION (GPS)

LAT: 55 13 94

LONG: 129 51 03

BOTTOM POSITION (GPS)

LAT: 55 13 98

LONG: 129 50 91

END POSITION (GPS)

LAT: 55 14 21

LONG: 129 50 71

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/05

SHIP:

Vector

STATION NAME:

082

CAST NUMBER:

87

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	1173	1154		430	418	✓		✓									3.488	
2	1174	1158		400	400	✓		↑									3.428	
3	1175	1168		300	300	✓											4.649	
4	1176	1171		250	250	✓											3.565	
5	1177	1174		200	200	✓											3.582	
6	1178	1175		175	175	✓											3.633	
7	1179	1176		150	150	✓											3.662	
8	1180	1177		125	125	✓											3.755	
9	1181	1180		100	100	✓											3.881	
10	1182	1188		75	75	✓											3.852	
11	1183	1190		50	50	✓											3.801	
12	1184	1189		30	30	✓											4.068	
13	1185	1191		20	20	✓											4.162	
14	1186	1192		10	10	✓		↓									4.287	
15	1187	1193		0	0	✓		✓									6.438	
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

431

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0820

Bottom: 0829

End: 0847

START POSITION (GPS)

LAT: 55 06 61

LONG: 129 57 38

BOTTOM POSITION (GPS)

LAT: 55 06 55

LONG: 129 57 49

END POSITION (GPS)

LAT: 55 06 39

LONG: 129 57 78

ROSETTE LOG

MISSION ID: 9931
STATION NAME: PC 12

UTC DATE y/m/d: 99/08/05
CAST NUMBER: 88

SHIP: Vector

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

ROSETTE OPERATION	
Trip	Confirmed
pressure	Salinity

Samples taken									
SAL	✓	NUT		ALK		TCO			
✓	OXY		CHL		C13				

ENTERED BY: TSE

CHECKED BY:

Bottom Depth: 415

Cast # down: 88

Cast # up:

Time	LOC	UTC
Begin:		14.32
Bottom:		14.40
End:		14.58

START POSITION (GPS)	
LAT:	55° 43.53
LONG:	130° 8.69

BOTTOM POSITION (GPS)	
LAT:	55° 43.48
LONG:	130° 8.61

END POSITION (GPS)	
LAT:	55° 43.40
LONG:	150° 8.80

Comments:	Sample 1201 spigot open
-----------	-------------------------

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/05

STATION NAME:

PC 10

CAST NUMBER:

89

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	1202	1218		Bot-5	252	✓											3.097	
2	1203	1219		200	200	✓											3.144	
3	1204	1222		175	175	✓											3.178	
4	1205	1223		150	150	✓											3.207	
5	1206	1224		125	125	✓											3.256	
6	1207	1225		100	100	✓											3.301	
7	1208	1228		75	75	✓											3.366	
8	1209	1230		50	50	✓											3.881	
9	1210	1231		30	30	✓											4.590	
10	1211	1233		20	20	✓											5.009	
11	1212	1234		10	10	✓											5.335	
12	1213	1235		0	0.6	✓											8.006	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

TSL

CHECKED BY:

Bottom Depth:

255

Cast # down:

89

Cast # up:

Time

LOC

UTC

Begin:

16.07

Bottom:

16.13

End:

16.27

START POSITION (GPS)

LAT:

55° 32.27

LONG:

130° 6.09

BOTTOM POSITION (GPS)

LAT:

55° 32.25

LONG:

130° 6.01

END POSITION (GPS)

LAT:

55° 32.17

LONG:

130° 6.11

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: PC 8UTC DATE y/m/d: 99/08/05
CAST NUMBER: 90SHIP: 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		PH				
1	1214	84		Bot-5	250	✓						2802	
2	1215			200	200	✓						2906	
3	1216			175	175	✓						2925	
4	1217			150	150	✓						2945	
5	1218			125	125	✓						3007	
6	1219			100	100	✓						3075	
7	1220			75	75	✓						3257	
8	1221	443		50	50	✓						3857	
9	1222			30	30	✓						4929	
10	1223			20	20	✓						4900	
11	1224	509		10	10	✓						5042	
12	1225			5	5	✓						8217	
13	1226	535		0	0.6	✓						8122	
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

ENTERED BY: TSI
CHECKED BY:Bottom Depth: 256Cast # down: 90
Cast # up:

Time	LOC	UTC
Begin:		17.56
Bottom:		17.51
End:		18.05

START POSITION (GPS)
LAT: 55° 19.00
LONG: 129° 59.48BOTTOM POSITION (GPS)
LAT: 55° 18.97
LONG: 129° 59.43END POSITION (GPS)
LAT: 55° 18.92
LONG: 129° 59.45

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/05

SHIP:

vector

STATION NAME:

PC 6

CAST NUMBER:

91

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	☒	NUT	ALK	TCO							
1	1227	572		Bot-5	200	✓											2.720	
2	1228	578		175	175	✓											2.822	
3	1229	588		150	150	✓											2.884	
4	1230	632		125	124	✓											2.978	
5	1231	641		100	100	✓											3.033	
6	1232	650		75	75	✓											3.286	
7	1233	657		50	50	✓											3.698	
8	1234	695		30	30	✓											4.203	
9	1235	697		20	20	✓											4.520	
10	1236	707		10	10	✓											4.783	
11	1237	708		0	1.0	✓											8.280	
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

TST

CHECKED BY:

Bottom Depth:

207

Cast # down:

91

Cast # up:

Time

LOC

UTC

Begin:

19.26

Bottom:

19.30

End:

19.44

START POSITION (GPS)

LAT: 55°

6.75

LONG: 130°

9.56

BOTTOM POSITION (GPS)

LAT: 55°

6.74

LONG: 130°

9.53

END POSITION (GPS)

LAT: 55°

6.77

LONG: 130°

9.54

Comments:

X 1233 - Dosing Stuck

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/05

STATION NAME:

P1 5

CAST NUMBER:

92

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	1238	1240		Bot-5	414	✓	✓										2.596	
2	1239	1241		400	400	✓	✓										2.596	
3	1240	1243		300	300	✓	✓										2.637	
4	1241	1244		250	250	✓											2.665	
5	1242	1247		200	200	✓											2.699	
6	1243	1248		175	175	✓											2.730	
7	1244	1249		150	150	✓											2.763	
8	1245	1251		125	125	✓											2.930	
9	1246	1252		100	100	✓											3.035	
10	1247	1256		75	75	✓											3.095	
11	1248	1254		50	50	✓											3.1787	
12	1249	1257		30	30	✓											4.24	
13	1250	1258		20	20	✓											4.744	
14	1251	1260		10	10	✓											4.989	
15	1252	1261		0	0.5	✓											8.828	
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

TSL

CHECKED BY:

Bottom Depth:

427

Cast # down:

92

Cast # up:

Time

LOC

UTC

Begin:

21:12

Bottom:

21:20

End:

21:38

START POSITION (GPS)

LAT:

54° 52.87

LONG:

130° 10.88

BOTTOM POSITION (GPS)

LAT:

54° 52.87

LONG:

130° 10.88

END POSITION (GPS)

LAT:

54° 52.87

LONG:

130° 10.88

Comments:

ROSETTE LOG

MISSION ID:**STATION NAME:**

UTC DATE y/m/d:

CAST NUMBER:

SHIP: Vector

ENTERED BY: TSI

CHECKED BY:

Bottom Depth: 270

Cast # down:

Cast # up:

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

Begin: 16.50

Bottom: 16.56

End: 17.11

START POSITION (GPS)

LAT: 52° 54 13

LONG: 179° 4.55

BOTTOM POSITION (GPS)

LAT: 52° 54.14

LONG: 129° 4.45'

END POSITION (GPS)

LAT: 52° 54.18'

LONG: 129° 4.16

[illegible]

Comments: spike @ 90 m

* BOSIMAX STALLED #1265

check Date

81

300 m 80

ROSETTE LOG

MISSION ID: 9931
STATION NAME: Su 2

UTC DATE y/m/d: 99/08/06
CAST NUMBER: 94

SHIP: Vector

ENTERED BY: T37

CHECKED BY: _____

Bottom Depth: 122

Cast # down: 94

Cast # up:

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

Begin: 17.44

Bottom: 17.47

End: 17.56

START POSITION (GPS)

LAT: 52° 57.22

LONG: 128° 59.15

BOTTOM POSITION (GPS)

LAT: 52° 57.25

LONG: 128 59.12

	END POSITION (GPS)
--	--------------------

LAT: 52° 57.28

LONG: 128° 59.10

[illegible]

Comments:

check DATE

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/06

STATION NAME:

503

CAST NUMBER:

95

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		Phyto				
1	1274	1192		Bot-5	117	✓							3.067
2	1275	1193		125	117	✓							3.116
3	1276	1194		100	100	✓							3.226
4	1277	1195		75	75	✓							3.393
5	1278	1197		50	50	✓							3.692
6	1279	1198		30	30	✓							4.350
7	1280	1201		20	20	✓							5.082
8	1281	1202		10	10	✓							5.590
9	1282	1203		5	5	✓							6.261
10	1283	1204		0	0.9	✓							7.382
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

ENTERED BY:

TSI.

CHECKED BY:

Bottom Depth:

130

Cast # down:

95

Cast # up:

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

Begin: 1831

Bottom: 1835

End: 1845

START POSITION (GPS)

LAT: 53 01 69

LONG: 128 55 10

BOTTOM POSITION (GPS)

LAT: 53 01 71

LONG: 128 55 07

END POSITION (GPS)

LAT: 53 01 71

LONG: 128 55 03

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/06

STATION NAME:

L5

CAST NUMBER:

96

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		Phyto				
1	1284	1206		Bot-5	205	✓											2.084	
2	1285	1209		175		✓											2.090	
3	1286	1210		150		✓											2.118	
4	1287	1212		125		✓											2.182	
5	1288	1215		100		✓											2.568	
6	1289	1216		75		✓											3.229	
7	1290	1218		50		✓											3.996	
8	1291	1219		30		✓											4.573	
9	1292	1222		20		✓											5.029	
10	1293	1223		10		✓				✓							6.302	
11	1294	1224		5		✓				✓				✓			6.653	
12	1295	1225		Ø		✓				✓				✓			6.889	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

TSL

CHECKED BY:

Bottom Depth: 217

Cast # down:

96

Cast # up:

Time LOC UTC

Begin: 2206

Bottom: 2210

End: 2222

START POSITION (GPS)

LAT: 52 37 57

LONG: 128 53 00

BOTTOM POSITION (GPS)

LAT: 52 37 54

LONG: 128 52 99

END POSITION (GPS)

LAT: 52 37 56

LONG: 128 52 00

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/06

STATION NAME:

LA1

CAST NUMBER:

97

SHIP:

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	1296	1105		428	320	✓	✓	✓											2.302
2	1297	1106		400	300	✓	✓	1											2.302
3	1298	1110		300	250	✓	✓												2.334
4	1299	1126		250	200	✓													2.391
5	1300	1128		200	175	✓													2.428
6	1301	1130		175	150	✓													2.522
7	1302	1132		150	125	✓													2.550
8	1303	1134		125	100	✓													2.709
9	1304	1135		100	75	✓													3.194
10	1305	1136		75	50	✓													4.050
11	1306	1137		50	30	✓													4.714
12	1307	1138		30	20	✓													5.048
13	1308	1141		20	10	✓													5.738
14	1309	1142		10	0	✓		✓											7.714
15	1310			10															
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 38

Cast # down:

Cast # up:

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

Begin:

Bottom: 2318

End: 2333

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 5240.80

LONG: 12845.08

END POSITION (GPS)

LAT: 5240.85

LONG: 12845.11

ROSETTE LOG

MISSION ID: 9931

STATION NAME: LA4

UTC DATE y/m/d:

CAST NUMBER:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 172

Cast # down:

Cast # up:

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

Begin:

Bottom: 0112

End: 0121

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 52 56.00

LONG: 128 40.21

END POSITION (GPS)

LAT: 52 56.00

LONG: 128 4027

[illegible]

Comments:

#10 battle fired from deck unit

ROSETTE LOG

MISSION ID: 99-31
STATION NAME: LA3UTC DATE y/m/d: 99/08/07
CAST NUMBER: 99SHIP:

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		Phy						
1	1320	1240		800	369	✓	✓	✓	✓										2.389	
2	1321	1241		250	300	✓	✓												2.386	
3	1322	1243		200	250	✓	✓												2.449	
4	1323	1244		175	200	✓													2.449	
5	1324	1247		150	175	✓													2.488	
6	1325	1248		125	150	✓													2.470	
7	1326	1249		100	125	✓													2.519	
8	1327	1251		75	100	✓													2.639	
9	1328	1252		50	75	✓													2.757	
10	1329	1254		30	50	✓													3.680	
11	1330	1256		20	30	✓													4.303	
12	1331	1257		10	20	✓													4.677	
13	1332	1258		5	10	✓				✓									6.083	
14	1333	1260		0	5	✓		✓	✓	✓				✓					6.880	
15	1334	1261			0	✓		✓	✓	✓				✓					6.897	
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: CHECKED BY: Bottom Depth: 375Cast # down: Cast # up:

Time	LOC	UTC
Begin:		0204
Bottom:		0210
End:		0228

START POSITION (GPS)	
LAT:	52 51.33
LONG:	128 43 39

BOTTOM POSITION (GPS)	
LAT:	52 51.32
LONG:	128 43 39

END POSITION (GPS)	
LAT:	
LONG:	

Comments:

* Crashed @ #1323.

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/07

STATION NAME:

LA2

CAST NUMBER:

100

SHIP:

Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										dO ₂ mL/L	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	1335	1264		300	331	✓		✓									2.295	
2	1336	1267		250	300	✓											2.329	
3	1337	1268		200	250	✓											2.343	
4	1338	1269		175	200	✓											2.409	
5	1339	1270		150	175	✓											2.470	
6	1340	1271		125	150	✓											2.493	
7	1341	1272		100	125	✓											2.574	
8	1342	1273		75	100	✓											2.698	
9	1343	1274		50	75	✓											3.038	
10	1344	1275		30	50	✓											3.925	
11	1345	1276		20	30	✓											4.609	
12	1346	1277		10	20	✓											4.949	
13	1347	1278		0	10	✓											5.587	
14	1348	1279			0	✓		✓									6.747	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 311

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0305
Bottom:		0312
End:		0327

START POSITION (GPS)		
LAT:		
LONG:		

BOTTOM POSITION (GPS)		
LAT:	52 46.09	
LONG:	128 45.93	

END POSITION (GPS)		
LAT:	52 46.14	
LONG:	128 45.96	

ROSETTE LOG

MISSION ID: 9931
STATION NAME: Ri 8UTC DATE y/m/d: 99/08/07
CAST NUMBER: 101SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l.
					Trip pressure	Confirmed Salinity	SAL	OXY	NUT	CHL	ALK	TCO	Phy				
1	1349	1192		Bot-5	145	✓											3.587
2	1350	1193		125	125	✓											3.577
3	1351	1194		100	100	✓											3.531
4	1352	1195		75	75	✓											3.239
5	1353	1197		50	50	✓											2.678
6	1354	1198		30	30	✓											3.472
7	1355	1201		20	20	✓											3.791
8	1356	1202		10	10	✓				✓							4.306
9	1357	1203		5	5	✓				✓			✓				6.334
10	1358	1204		0	0.8	✓				✓			✓				7.253
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: TSI
CHECKED BY:Bottom Depth: 150Cast # down: 101

Cast # up:

Time	LOC	UTC
Begin:		16.50
Bottom:		16.54
End:		17.04

START POSITION (GPS)
LAT: 51° 50.67
LONG: 127° 21.71BOTTOM POSITION (GPS)
LAT: 51° 50.64
LONG: 127° 21.75END POSITION (GPS)
LAT: 51° 50.67
LONG: 127° 21.68Comments: 11350 - stuck dosimeter

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/07

SHIP:

Vector

STATION NAME:

R17

CAST NUMBER:

102

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	1359	1206		Bot-5	234	✓											3.187	
2	1360	1209		200	200	✓											3.717	
3	1361	1210		175	175	✓											3.759	
4	1362	1212		150	150	✓											3.702	low %T
5	1363	1215		125	125	✓											3.669	
6	1364	1216		100	100	✓											3.658	
7	1365	1218		75	75	✓											3.360	
8	1366	1219		50	50	✓											3.427	
9	1367	1222		30	30	✓											3.953	
10	1368	1223		20	20	✓											4.065	
11	1369	1224		10	10	✓											4.307	
12	1370	1225		0	0.7	✓											7.169	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

TSE

CHECKED BY:

Bottom Depth:

242

Cast # down:

102

Cast # up:

Time

LOC

UTC

Begin:

17.37

Bottom:

17.42

End:

17.57

START POSITION (GPS)

LAT: 51° 46.76

LONG: 127° 23.56

BOTTOM POSITION (GPS)

LAT: 51° 46.71

LONG: 127° 23.62

END POSITION (GPS)

LAT: 51° 46.76

LONG: 127 23.59

ROSETTE LOG

MISSION ID: 9931
STATION NAME: Rib

UTC DATE y/m/d: 99/08/07
CAST NUMBER: 103

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	1371	1240		Bot-5	203	✓														
2	1372	1241		175		✓														
3	1373	1243		150		✓														
4	1374	1246		125		✓														
5	1375	1247		100	100	✓														
6	1376	1248		75	75	✓														
7	1377	1249		50	50	✓														
8	1378	1251		30	30	✓														
9	1379	1252		20	20	✓														
10	1380	1254		10	10	✓														
11	1381	1256		∅	0.6	✓														
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: TSL
CHECKED BY:

Bottom Depth: 210

Cast # down: 103
Cast # up:

Time	LOC	UTC
Begin:		1832
Bottom:		1837
End:		1849

START POSITION (GPS)
LAT: 5143.71
LONG: 127 27.19

BOTTOM POSITION (GPS)
LAT: 51 43.69
LONG: 127 27 22

END POSITION (GPS)
LAT: 51 43 70
LONG: 127 27.25

Comments: spike @ 70 m

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/07

SHIP: VECTOR

STATION NAME:

Ri4

CAST NUMBER:

104

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l	
					Trip pressure	Confirmed Salinity	SAL	✓ OXY	NUT ✓	ALK	TCO							
1	1382	1252		294	294	✓		✓									2.385	
2	1383	1258		250	250	✓		✓									2.481	
3	1384	1260		200	200	✓		✓									2.579	
4	1385	1261		175	175	✓		✓									2.611	
5	1386	1264		150	150	✓		✓									2.744	
6	1387	1267		125	125	✓		✓									2.845	
7	1388	1268		100	100	✓		✓									2.586	
8	1389	1269		75	75	✓		✓									2.939	
9	1390	1270		50	50	✓		✓									3.696	
10	1391	1271		30	30	✓		✓									4.175	
11	1392	1272		20	20	✓		✓									4.296	
12	1393	1273		10	10	✓		✓	✓								4.539	
13	1394	1274		5	5	✓		✓	✓								5.158	
14	1395	1275		0.4	0	✓		✓	✓		✓						7.571	low 90T
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

TSE

CHECKED BY:

Bottom Depth:

301

Cast # down:

104

Cast # up:

Time

LOC

UTC

Begin:

19.29

Bottom:

19.35

End:

19.51

START POSITION (GPS)

LAT:

51° 38' 94"

LONG:

127° 26' 82"

BOTTOM POSITION (GPS)

LAT:

51° 38' 93"

LONG:

127° 26' 89"

END POSITION (GPS)

LAT:

51° 38' 96"

LONG:

125° 26' 81"

ROSETTE LOG

MISSION ID: 9931
STATION NAME: RIS

UTC DATE y/m/d: 99/08/07
CAST NUMBER: 105

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	1396	84		Bot-5	177	✓											2.594
2	1397	255		175	177	✓											2.718
3	1398	233		150	150	✓											2.840
4	1399	337		125	125	✓											2.871
5	1400	364		100	100	✓											2.388
6	1401	392		75	75	✓											3.291
7	1402	425		50	50	✓											3.975
8	1403	443		30	30	✓											4.326
9	1404	469		20	20	✓											4.530
10	1405	486		10	10	✓											4.845
11	1406	509		0	0.8	✓											7.932 low % T
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: TSE
CHECKED BY:

Bottom Depth: 200

Cast # down: 105
Cast # up:

Time	LOC	UTC
Begin:		20.25
Bottom:		20.28
End:		20.41

START POSITION (GPS)
LAT: 51° 40.73
LONG: 127° 19.84

BOTTOM POSITION (GPS)
LAT: 51° 40.66
LONG: 127° 19.80

END POSITION (GPS)
LAT: 51° 40.63
LONG: 127° 19.95

Comments: 2 bottles tripped @ 177m

ROSETTE LOG

MISSION ID: 9931
STATION NAME: R13

UTC DATE y/m/d: 99/08/07
CAST NUMBER: 106

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO	nl/l
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
							✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1	1407	534		Bot-5	320	✓	✓	✓									2360	
2	1408	535		200	300	✓	✓	✓									2410	
3	1409	572		250	250	✓	✓	✓									2460	
4	1410	578		200	200	✓											2595	
5	1411	588		175	175	✓											2675	
6	1412	632		150	150	✓											2818	
7	1413	641		125	125	✓											2845	
8	1414	650		100	100	✓											2757	
9	1415	659		75	75	✓											2677	
10	1416	695		50	50	✓											3593	
11	1417	697		30	30	✓											4022	
12	1418	707		20	20	✓											4208	
13	1419	708		10	10	✓											4529	
14	1420	712		Ø	0.6	✓											7443	low %T
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: TST
CHECKED BY:

Bottom Depth: 327

Cast # down: 106
Cast # up:

Time	LOC	UTC
Begin:		21 39
Bottom:		21 45
End:		22 02

START POSITION (GPS)
LAT: 51° 35 92
LONG: 127° 32 06

BOTTOM POSITION (GPS)
LAT: 51° 35 90
LONG: 127° 32 07

END POSITION (GPS)
LAT: 51° 35 91
LONG: 127° 32 12

Comments: spike @ 198 m
#1417 - ROSINOS stuck #1418 stuck again

ROSETTE LOG

MISSION ID: 9931
STATION NAME: R12

UTC DATE y/m/d: 99/08/07
CAST NUMBER: 107

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	Phyto				DO	ml/l
1	1421	1105		Bt-5	324	✓											2391	
2	1422	1106		300		✓											2407	
3	1423	1110		250		✓											2435	check
4	1424	1126		200		✓											2617	
5	1425	1128		175		✓											2675	
6	1426	1130		150		✓											2801	
7	1427	1132		125		✓											2892	
8	1428	1134		100		✓											2772	
9	1429	1135		75		✓											2885	
10	1430	1136		50		✓											3657	
11	1431	1137		30		✓											4161	
12	1432	1138		20		✓											4223	*
13	1433	1141		10		✓				✓							4440	
14	1434	1142		5		✓				✓			✓				4832	
15	1435	1146		∅		✓				✓			✓				7642	
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 336

Cast # down: 107
Cast # up:

Time	LOC	UTC
Begin:		2236
Bottom:		2242
End:		2300

START POSITION (GPS)
LAT: 51 31 27
LONG: 127 33 58

BOTTOM POSITION (GPS)
LAT: 51 31 26
LONG: 127 33 59

END POSITION (GPS)
LAT: 51 31 22
LONG: 127 33 60

Comments: forgot to put in sample # 1422, 0000s.

ROSETTE LOG

MISSION ID: 9931
STATION NAME: SM1

UTC DATE y/m/d: 99/08/08
CAST NUMBER: 108

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			Cl3	Phy					
1	1436	1148		200	209	✓			✓								2.313	
2	1437	1153		175	200	✓											2.348	
3	1438	1154		150	175	✓											2.453	
4	1439	1158		125	150	✓											2.559	
5	1440	1168		100	125	✓											2.713	
6	1441	1171		75	100	✓											2.666	
7	1442	1174		50	75	✓											2.007	OK!
8	1443	1175		30	50	✓											3.234	
9	1444	1176		20	30	✓											4.558	
10	1445	1177		10	20	✓											4.958	
11	1446	1180		5	10	✓				✓							5.471	
12	1447	1188		0	5	✓		✓		✓				✓			5.373	
13	1448	1189			0	✓	.7	✓		✓				✓			6.850	
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:

Bottom Depth: 214

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0155
Bottom:		0200
End:		0211

START POSITION (GPS)
LAT: 5118.70
LONG: 127 30.00

BOTTOM POSITION (GPS)
LAT: 5118.68
LONG: 127 29.94

END POSITION (GPS)
LAT: 5118.67
LONG: 127 29.94

ROSETTE LOG

MISSION ID: 9931
STATION NAME: SM 2

UTC DATE y/m/d: 1999/08/08
CAST NUMBER: 109

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	1449	1192		bottom-10	363	✓	✓	✓											2373	
2	1450	1193		300		✓	✓												2399	
3	1451	1194		250		✓	✓												2426	
4	1452	1195		200		✓													2539	
5	1453	1197		175		✓													2572	
6	1454			150		✓													2674	
7	1455			125		✓													2784	
8	1456			100		✓													2768	
9	1457			75		✓													1772	ok.
10	1458			50		✓													2806	
11	1459	1206		30		✓													4264	
12	1460			20		✓													4834	
13	1461			10		✓													5105	
14	1462			0		✓													6086	
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

ENTERED BY:
CHECKED BY:

Bottom Depth: 370

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0244
Bottom:		0250
End:		0305

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 5117.99
LONG: 12722.07

END POSITION (GPS)
LAT: 5118.00
LONG: 12722.13

ROSETTE LOG

MISSION ID: 9931
STATION NAME: SM 3

UTC DATE y/m/d: 99/08/08
CAST NUMBER: 110

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	1463			60ft-10	323	✓		✓									2390	
2	1464	1216		300		✓		✓									2480	
3	1465			250		✓		✓									2516	
4	1466			200		✓		✓									2569	
5	1467			175		✓		✓									2548	
6	1468			150		✓		✓									2601	
7	1469	1224		125		✓		✓									2823	
8	1470			100		✓		✓									2853	
9	1471			75		✓		✓									1616	
10	1472			50		✓		✓									2394	
11	1473			30		✓		✓									4041	
12	1474			20		✓		✓									4604	
13	1475			10		✓		✓									5001	check
14	1476			0	16	✓		✓									6804	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:

Bottom Depth: 327.

Cast # down: 110
Cast # up:

Time	LOC	UTC
Begin:		0340
Bottom:		0346
End:		0402

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 5118.49
LONG: 12714.54

END POSITION (GPS)
LAT: 5118.53
LONG: 12714.53

ROSETTE LOG

MISSION ID: 9931
STATION NAME: SMS

UTC DATE y/m/d: 99/08/08
CAST NUMBER: 111

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	1477	1240		100		✓		✓									081	
2	1478			75		✓		✓									165	
3	1479			50		✓		✓									1686	
4	1480	1244		30		✓		✓									3771	
5	1481			20		✓		✓									3941	
6	1482			10		✓		✓									4636	
7	1483			0				✓									7333	
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 112

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0445
Bottom:		0448
End:		0454

START POSITION (GPS)
LAT: 51 21 30
LONG: 127 06 19

BOTTOM POSITION (GPS)
LAT: 51 21 30
LONG: 127 06 17

END POSITION (GPS)
LAT: 51 21 30
LONG: 127 06 17

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: SM4

UTC DATE y/m/d: 99/08/08
CAST NUMBER: 112

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		Cl3		Phy				
1	1484	1251		185	175	✓	✓	✓	✓								1090	
2	1485			175	175	✓	✓										1098	
3	1486			150		✓	✓										1174	
4	1487			125		✓											1152	
5	1488			100		✓											0.0	H2S
6	1489	1258		75		✓											1190	
7	1490			50		✓											2359	
8	1491			30		✓											4006	
9	1492	1264		20		✓											4350	
10	1493			10		✓											5596	
11	1494			5		✓								✓			8175	
12	1495			0			✓	✓	✓				✓				6902	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 186

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0514
Bottom:		0517
End:		

START POSITION (GPS)
LAT: 51 21 62
LONG: 127 08 95

BOTTOM POSITION (GPS)
LAT: 51 21 60
LONG: 127 08 96

END POSITION (GPS)
LAT: 51 21 55
LONG: 127 09 04

Comments: x Bottom #1 to #6 have adom of H2S

ROSETTE LOG

MISSION ID: 9931
STATION NAME: Q2

UTC DATE y/m/d: 8/08/99
CAST NUMBER: 113

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		Ry6						
1	1496	84		601-10	222	✓											2.689	
2	1497	255		175	175	✓											2.627	
3	1498	323		150	150	✓											2.652	
4	99	237		125	125	✓											2.623	
5	1500	364		100	100	✓											2.649	
6	1501	392		75	75	✓											2.653	
7	1502			50	50	✓											2.792	
8	1503			30	30	✓											3.874	
9	1504	467		20	20	✓											4.215	
10	1505	486		10	10	✓						✓					4.702	
11	1506			5	5	✓						✓					5.877	
12	1507	534		0	0.7	✓						✓					6.685	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: L1221E
CHECKED BY:

Bottom Depth: 224

Cast # down: 113

Cast # up:

Time	LOC	UTC
Begin: 08:12		15:12
Bottom: 08:19		15:19
End: 08:36		15:36

START POSITION (GPS)
LAT: 50.28.24
LONG: 127.54.27

BOTTOM POSITION (GPS)
LAT: 50.28.27
LONG: 127.54.25

END POSITION (GPS)
LAT: 50.28.26
LONG: 127.53.99

Comments: Dissimot STAL # 1497 WITH NEW LAPTOP.
1500
1501

ROSETTE LOG

MISSION ID: 9931
STATION NAME: Q3UTC DATE y/m/d: 8/08/99
CAST NUMBER: 114SHIP: 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	1508	572		bot-10	196	✓											DO ml/l	
2	1509	578		150	150	✓											2.576	
3	1510	588		125	125	✓											2.595	
4	1511	632		100	100	✓											2.592	
5	1512	641		75	75	✓											2.596	
6	1513	650		50	50	✓											2.652	
7	1514	657		30	30	✓											3.719	
8	1515	693		20	20	✓											3.983	
9	1516	697		10	10	✓											4.306	
10	1517	707		5	5	✓											4.843	
11	1518	708		0	0.7	✓											5.725	
12																	6.076	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

1508. Sampled - (286 computer)

ENTERED BY: L1331 E

CHECKED BY:

Bottom Depth: 206Cast # down: 114

Cast # up:

Time	LOC	UTC
Begin:	9.18	16.18
Bottom:	9.25	16.25
End:	9.36	16.36

START POSITION (GPS)

LAT: 50° 29.74

LONG: 127° 46.25

BOTTOM POSITION (GPS)

LAT: 50° 29.74

LONG: 127° 46.24

END POSITION (GPS)

LAT: 50° 29.78

LONG: 127° 46.27

ROSETTE LOG

MISSION ID: 9931
STATION NAME: Q4

UTC DATE y/m/d: 8/08/99
CAST NUMBER: 115

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	1519	1240		bot - 10	110	✓													DO
2	1520	1241		100	100	✓													ml
3	1521	1243		75	75	✓													
4	1522	1244		50	50	✓													
5	1523	1252		30	30	✓													
6	1524	1248		20	20	✓													
7	1525	1249		10	10	✓													
8	1526	1251		0	0.8														
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY: LIZZIE
CHECKED BY:

Bottom Depth: 120

Cast # down: 115
Cast # up:

Time	LOC	UTC
Begin:	10.13	17.13
Bottom:	10.16	17.16
End:	10.25	17.25

START POSITION (GPS)
LAT: 50° 31.70
LONG: 127° 38.77

BOTTOM POSITION (GPS)
LAT: 50° 31.71
LONG: 127° 38.75

END POSITION (GPS)
LAT: 50° 31.70
LONG: 127° 38.73

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: N22

UTC DATE y/m/d: 8/08/99
CAST NUMBER: 116

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DP	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	✓	ALK		TCO	✓						
								OXY		CHL		CI3		ANY						
1	1527	1254		bot - 10	141	✓													2.488	
2	1528	1256		125	125	✓													2.501	
3	1529	1259		100	100	✓													2.525	
4	1530	1258		75	75	✓													2.587	
5	1531	1260		50	50	✓													2.624	
6	1532	1261		30	30	✓													3.169	
7	1533	1264		20	20	✓													4.237	
8	1534	1267		10	10	✓				✓									4.691	
9	1535	1268		5	5	✓				✓				✓					5.110	
10	1536	1269		0	0.9	✓				✓				✓					10.053	
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: L1331E
CHECKED BY:

Bottom Depth: 151

Cast # down: 116
Cast # up:

Time	LOC	UTC
Begin:	10.46	17.46
Bottom:	10.50	17.50
End:	11.00	18.00

START POSITION (GPS)
LAT: 50° 30.53
LONG: 127° 35.97

BOTTOM POSITION (GPS)
LAT: 50° 30.51
LONG: 127° 35.75

END POSITION (GPS)
LAT: 50° 30.49
LONG: 127° 35.99

Comments: 1527 shall

ROSETTE LOG

MISSION ID: 9931
STATION NAME: N18

UTC DATE y/m/d: 8/08/99
CAST NUMBER: 117

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	1537	1270		bot -10	187	✓											1.978
2	1538	1271		175	174	✓✓											1.885
3	1539	1272		150	150	✓✓											2.328
4	1540	1273		100	125	✓											2.532
5	1541	1274		75	101	✓											2.515
6	1542	1275		50	75	✓											2.582
7	1543	1276		30	51	✓											2.670
8	1544	1277		20	30	✓											3.181
9	1545	1278		10	20	✓											3.592
10	1546	1279		0	10	✓											4.156
11	1547	1280		SURFACE	19												5.615
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: LRR
CHECKED BY:

Bottom Depth: 194

Cast # down: 117
Cast # up:

Time	LOC	UTC
Begin:		18 21
Bottom:		18 25
End:		

START POSITION (GPS)
LAT: 50 28 92
LONG: 127 33 59

BOTTOM POSITION (GPS)
LAT: 50 28 92
LONG: 127 33 60

END POSITION (GPS)
LAT: 50 28 88
LONG: 127 33 65

Comments: Bottle 11 fixed at surface - not accounted for above.

ROSETTE LOG

MISSION ID: 9931
STATION NAME: 20

UTC DATE y/m/d: 99/08/08
CAST NUMBER: 118

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	1548	1192		bott-10	184	✓											2.076	
2	1549	1193		175	175	✓											1.927	
3	1550	1194		150	150	✓											2.365	
4	1551			125	125	✓											2.479	
5	1552	1197		100	100	✓											2.594	
6	1553			75	75	✓											2.572	
7	1554			50	50	✓											2.641	
8	1555			30	30	✓											2.955	
9	1556			25	25	✓											3.251	
10	1557			20	20	✓											3.587	
11	1558			15	15	✓											3.838	
12	1559			10	10	✓											3.933	
13	1560			5	5	✓											4.165	
14	1561	1212		0	0.7									too fast			6.214	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: L133.E
CHECKED BY:

Bottom Depth: 194

Cast # down: 118
Cast # up:

Time	LOC	UTC
Begin:	11.56	18.56
Bottom:	12.01	19.01
End:	12.14	19.14

START POSITION (GPS)
LAT: 50° 27.00
LONG: 127° 31.60

BOTTOM POSITION (GPS)
LAT: 50° 26.99
LONG: 127 31.60

END POSITION (GPS)
LAT: 50° 27.03
LONG: 127° 31.59

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: 17

UTC DATE y/m/d: 8/8/99
CAST NUMBER: 119

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	CI3							
1	1562	1215		60-10	171	✓											2.125
2	1563			150	155	✓											2.344
3	64	1218		125	125	✓											2.472
4	65	1219		100	100	✓											2.585
5	66	1221		75	75	✓											2.642
6	67	1223		50	50	✓											2.237
7	68	1227		30	30	✓											2.917
8	69	1228		25	25	✓											3.359
9	1570	1228		20	20	✓											3.576
10	71	1230		15	15	✓											3.742
11	72	1231		10	10	✓	10.4										3.796
12	73	1233		5	5	✓	10.4										3.763
13	1574	1234		0	0.5	✓	5.5										4.027
14	1575						.6										
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 176

Cast # down: 119
Cast # up: 119

Time	LOC	UTC
Begin:		1941
Bottom:		1944
End:		2000

START POSITION (GPS)
LAT: 50° 25.77
LONG: 127° 30.61

BOTTOM POSITION (GPS)
LAT: 25.73
LONG: 30.58

END POSITION (GPS)
LAT: 25.71
LONG: 30.57

Downmat & columnar on UPS power.

Comments:

* Extra bottle! Must have tripped two bottles before 10.

* 1567- DCS MAT STALL

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

8/8/99

STATION NAME:

#14

CAST NUMBER:

120

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	1575	1105		bot-5	133	✓											DO ml/l
2	1576	1106		125	126	✓											2.391
3	1577	1110		100	100	✓											2.414
4	1578	1126		75	75	✓											2.524
5	1579	1128		50	50	✓											0.466
6	1580	1130		30	30	✓											0.125
7	1581	1132		25	25	✓											2.869
8	1582	1134		20	20	✓											3.189
9	1583	1135		15	15	✓											3.472
10	1584	1136		10	10	✓											3.699
11	1585	1137		5	5	✓											3.682
12	1586	1138		0	0.9	✓											3.665
13																	6.387
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

141

Cast # down:

120

Cast # up:

120

Time

LOC

UTC

Begin: 13.23

2023

Bottom: 13.26

2026

End: 13.39

2039

START POSITION (GPS)

LAT: 50°

24.37

LONG: 127°

29.54

BOTTOM POSITION (GPS)

LAT: 50°

24.37

LONG: 127°

29.53

END POSITION (GPS)

LAT: 50°

24.34

LONG: 127°

29.48

Comments:

#1584 - Dosimat stuck.

ROSETTE LOG

MISSION ID: 9931
STATION NAME: # 11

UTC DATE y/m/d: 8/8/99
CAST NUMBER: 121

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	1587	1141		bot -10	96	✓														
2	1588	1142		75	75	✓														
3	1589	1146		50	50	✓														
4	1590	1148		30	30	✓														
5	1591	1158		25	25	✓														
6	1592	1154		20	20	✓														
7	1593	1158		15	15	✓														
8	1594	1168		10	10	✓				✓										
9	1595	1171		5	5	✓				✓			✓							
10	1596	1174		0	1	✓				✓			✓							
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: L1331E
CHECKED BY:

Bottom Depth: 104

Cast # down: 121

Cast # up:

Time	LOC	UTC
Begin:	<u>12:00</u>	<u>21:00</u>
Bottom:	<u>14:04</u>	<u>21:04</u>
End:	<u>14:14</u>	<u>21:14</u>

START POSITION (GPS)
LAT: 50° 23' 72
LONG: 127° 28' 83

BOTTOM POSITION (GPS)
LAT: 50° 23' 12
LONG: 127° 28' 82

END POSITION (GPS)
LAT: 50° 23' 71
LONG: 127° 28' 83

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: # 8UTC DATE y/m/d: 8/08/99
CAST NUMBER: 122SHIP: 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	1597	1175		20-10	31	✓											2.650	
2	1598	1176		25	25	✓											2.631	
3	1599	1177		20	20	✓											2.850	
4	1600	1180		15	15	✓											2.932	
5	1601	1188		10	10	✓											3.147	
6	1602	1189		5	5	✓											2.669	
7	1603			0	1.8	✓											5.083	
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: L1331E

CHECKED BY:

Bottom Depth: 42Cast # down: 122

Cast # up:

Time	LOC	UTC
Begin:	1442	21:42
Bottom:	1444	21:44
End:	1450	21:50

START POSITION (GPS)

LAT: 50° 23.01LONG: 127° 27.52

BOTTOM POSITION (GPS)

LAT: 50° 23.01LONG: 127° 27.52

END POSITION (GPS)

LAT: 50° 23.01LONG: 127° 27.51

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

8/88/99

STATION NAME:

5

CAST NUMBER:

123

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	1604	84		bot -10	50	✓											1.100	
2	1605	255		30		✓											1.606	
3	1606	333		25		✓											1.819	
4	1607	339		20		✓											1.991	
5	1608	344		15		✓											2.417	
6	1609	392		10		✓											2.381	
7	1610	425		5		✓											2.108	
8	1611	443		0		✓											6.150	
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 55

Cast # down: 123

Cast # up:

Time LOC UTC

Begin: 22 11

Bottom: 22 14

End: 22 22

START POSITION (GPS)

LAT: 50 22.01

LONG: 127 26.60

BOTTOM POSITION (GPS)

LAT: 50 22.01

LONG: 127 26.60

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: #2

UTC DATE y/m/d: 99/08/08
CAST NUMBER: 124

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	Phy							
1	1612	467		bott-5	30	✓		✓					1.451	-	0.0x2	0.268		
2	1613	486		30	30	✓		✓					1.504		1.504			
3	1614	535		25		✓		✓							1.636			
4	1615	534		20		✓		✓							1.969			
5	1616	572		15		✓		✓							1.975			
6	1617	578		10		✓		✓	✓						1.940			
7	1618	588		5		✓		✓	✓		✓				1.838			
8	1619	632		0	1.1	✓		✓	✓		✓				5.813			
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 37
end pt

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2236
Bottom:		2238
End:		2242

START POSITION (GPS)
LAT: 50 21.03
LONG: 127 26.47

BOTTOM POSITION (GPS)
LAT: 50 21.02
LONG: 127 26.47

END POSITION (GPS)
LAT:
LONG:

Comments: # 1612 - [lost normality of rosette standard] - 0.268 ml end pt.
IN program

ROSETTE LOG

MISSION ID: 9931
STATION NAME: R42

UTC DATE y/m/d: 99/08/09
CAST NUMBER: 125

SHIP:

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		Cl3		Phy				
1	1620	641			100	✓ 70		✓									4.266	
2	1621	650			75	✓ 70											4.284	
3	1622	657			50	✓											4.181	
4	1623	695			30	✓											4.101	
5	1624	697			20	✓											4.440	
6	1625	707			10	✓				✓							4.267	
7	1626	708			5	✓				✓			✓				4.696	
8	1627	709			0	✓		✓		✓			✓				5.823	
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 75

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0055
Bottom:		0057
End:		0102

START POSITION (GPS)
LAT: 50 35.00
LONG: 127 30.25

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 50 35.01
LONG: 127 30.21

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/09

STATION NAME:

Ru3

CAST NUMBER:

126

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	1628	1240		bott-5	56	✓		✓									3.960
2	1629	1241		50		✓		✓									3.978
3	1630	1243		30		✓		✓									4.151
4	1631	1244		25		✓		✓									4.197
* 5	1632	1247		20		✓		✓									4.252
6	1633	1248		15		✓		✓									4.393
7	1634	1249		10		✓		✓									4.718
8	1635	1251		5		✓		✓									6.257
9	1636			0		✓		✓									7.341
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:

CHECKED BY:

Bottom Depth: 45

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0127
Bottom:		0130
End:		0136

START POSITION (GPS)	
LAT:	50 35.30
LONG:	127 26.51

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)	
LAT:	
LONG:	

anchor dropped before cast.
pressure spike @ 506

Comments:

* #1632 ROSIMAT STUCK - NO theories re: why.

ROSETTE LOG

MISSION ID:

9931

STATION NAME:

H015

UTC DATE y/m/d:

9/8/99

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	✓				
								OXY		CHL		C13		PH				
1	1637	84		bot-10	42	✓											3565	
2	1638	255		30	30	✓											3561	
3	1639	333		20	20	✓											3543	
4	1640	355		10	10	✓				✓							3238	
5	1641	364		5	5	✓				✓				✓			2922	
6	1642	392		0	0.9					✓				✓			8.748	
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: LIZZIE

CHECKED BY:

Bottom Depth: 52

Cast # down: 127

Cast # up:

Time	LOC	UTC
Begin:	07:35	14:35
Bottom:	07:37	14:37
End:	07:42	14:42

START POSITION (GPS)

LAT: 50° 38' 20"

LONG: 127° 57' 23"

BOTTOM POSITION (GPS)

LAT: 50° 38' 20"

LONG: 127° 57' 23"

END POSITION (GPS)

LAT: 50° 38' 21"

LONG: 127° 57' 24"

ROSETTE LOG

MISSION ID: 9931
STATION NAME: 1101 4

UTC DATE y/m/d: 9/08/99
CAST NUMBER: 128

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	1643	425		bot-10	53	✓											DO	
2	1644	443		30	30	✓											ml/l	
3	1645	467		20	20	✓												
4	1646	486		10	10	✓												
5	1647	535		0	1.1	✓												
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: M221E
CHECKED BY:

Bottom Depth: 58

Cast # down: 128
Cast # up:

Time	LOC	UTC
Begin:	0815	1515
Bottom:	0818	1518
End:	0822	1522

START POSITION (GPS)
LAT: 50° 36.90
LONG: 127° 51.13

BOTTOM POSITION (GPS)
LAT: 50° 36.99
LONG: 127° 51.12

END POSITION (GPS)
LAT: 56° 37.00
LONG: 129° 51.11

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: H01 3UTC DATE y/m/d: 09/08/99
CAST NUMBER: 129SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	1648	534		bot -10	52	✓											3.303	
2	1649	577		30	30	✓											3.663	
3	1650	578		20	20	✓											3.787	
4	1651	588		10	10	✓											5.732	
5	1652	632		0	1.1	✓											8.100	
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: L1331E
CHECKED BY:Bottom Depth: 62Cast # down: 129

Cast # up:

Time	LOC	UTC
Begin:	0851	1551
Bottom:	0853	1553
End:	0858	1558

START POSITION (GPS)
LAT: 50° 35' 84
LONG: 127° 44' 99BOTTOM POSITION (GPS)
LAT: 50° 35' 84
LONG: 127° 44' 99END POSITION (GPS)
LAT: 50° 35' 83
LONG: 127° 44' 94

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: Hol 2UTC DATE y/m/d: 09/08/99
CAST NUMBER: 130SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	✓	ALK	TCO	✓				
1	1653	650		bot 10	107	✓											8.398
2	1654	650		75	75	✓											8.520
3	1655	657		50	50	✓											4.015
4	1656	695		30	30	✓											4.146
5	1657	697		20	20	✓											4.005
6	1658	707		10	10	✓				✓							4.083
7	1659	708		5	5	✓				✓			✓				4.857
8	1660	709		0	1.0	✓				✓			✓				8.306
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: L1331E

CHECKED BY:

Bottom Depth: 113Cast # down: 130

Cast # up:

Time	LOC	UTC
Begin: 0927		16.27
Bottom: 0930		16.30
End: 0939		16.38

START POSITION (GPS)

LAT: 50° 35.30LONG: 127° 38.99

BOTTOM POSITION (GPS)

LAT: 50° 35.30LONG: 127° 38.97

END POSITION (GPS)

LAT: 50° 35.29LONG: 127° 38.99

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: Hal 7

UTC DATE y/m/d: 9/08/99
CAST NUMBER: 131

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	1661	1106		bot -10	120	✓		7									4310	
2	1662	1110		100	100	✓											4339	
3	1663	1126		75	75	✓											4360	
4	1664	1128		50	50	✓											4453	
5	1665	1130		30	30	✓											4512	
6	1666	1132		20	20	✓											4607	
7	1667	1134		10	10	✓											5172	
8	1668	1136		0	0.9	✓											61617	
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: L1281E
CHECKED BY:

Bottom Depth: 127

Cast # down: 131
Cast # up:

Time	LOC	UTC
Begin:	1008	1708
Bottom:	1011	1711
End:	1020	1720

START POSITION (GPS)
LAT: 50° 33.88
LONG: 127° 33.51

BOTTOM POSITION (GPS)
LAT: 50° 33.89
LONG: 127° 33.46

END POSITION (GPS)
LAT: 50° 33.88
LONG: 127° 33.45

Comments:

ROSETTE LOG

MISSION ID: 9431
STATION NAME: Am 1

UTC DATE y/m/d: 99/08/10
CAST NUMBER: 132

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		P417						
1	1669	84		bot -10	29	✓													6.267	
2	1670	255		20		✓													6.149	
3	1671	337		10		✓				✓									6.893	
4	1672	337		5		✓				✓				✓					7.729	
5	1673	304		0		✓				✓				✓					8.432	
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: 40

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2017
Bottom:		2021
End:		2025

START POSITION (GPS)
LAT: 50 01 69
LONG: 127 05 13

BOTTOM POSITION (GPS)
LAT: 50 01 70
LONG: 127 05 11

END POSITION (GPS)
LAT: 50 01 70
LONG: 127 05 11

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/10

STATION NAME:

KAS 1

CAST NUMBER:

133

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	1674	300		24.8	279	✓	✓	✓	✓								2214	
2	1675	425		20.0	250	✓	✓										2293	
3	1676	442		17.5	200	✓	✓										2452	
4	1677	461		15.0	175	✓											2558	
5	1678	486		12.5	150	✓											2414	
6	1679	535		10.0	125	✓											2449	
7	1680	534		7.5	100	✓											2582	
8	1681	572		5.0	25	✓											2802	
9	1682	578		3.0	50	✓											3371	
10	1683	588		2.0	30	✓											4872	
11	1684	632		1.0	20	✓											5935	
12	1685	641		.5	10	✓						✓					6294	
13	1686	650		.0	5	✓	✓	✓				✓	✓	→			7403	1.346
14	1687	657			0	✓	✓	✓				✓	✓				8345	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

1686 - Check end pt. - strange curve

ENTERED BY:

CHECKED BY:

Bottom Depth: 286.

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0436
Bottom:		0442
End:		0459

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 5002.25

LONG: 12714.92

END POSITION (GPS)

LAT: 5002.16

LONG: 12714.91

Sal difference 0.01

ROSETTE LOG

MISSION ID: 9931
STATION NAME: KAS 2

UTC DATE y/m/d: 99/08/10
CAST NUMBER: 134

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	CHL	C13	Phy			
1	1688	1106		105	100	✓		✓									4.989
2	1689	1110		100	100	✓		✓									2.043
3	1690	1126		75		✓		✓									2.535
4	1691	1128		50		✓		✓									3.029
5	1692	1130		30		✓		✓									5.070
6	1693	1132		20		✓		✓									6.823
7	1694	1134		10		✓		✓	✓								7.895
8	1695	1136		5		✓		✓	✓		✓						8.461
9	1696	1138		0		✓		✓	✓		✓						8.265
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:
CHECKED BY:

Bottom Depth: 107.

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		0538
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 50 07.19
LONG: 127 15.12

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/10

SHIP:

STATION NAME:

Tahh1

CAST NUMBER:

135

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				
								OXY		CHL		C13	Phy				
1	1697	1137		100	102	✓		✓									2.146
2	1698	1138		75		✓											2.712
3	1699	1141		50		✓											3.005
4	1700	1142		30		✓											5.557
5	1701	1146		20		✓											7.029
6	1702	1148		10		✓				✓							8.861
7	1703	1153		5		✓				✓			✓				9.365
8	1704	1154		0	10	✓		✓		✓			✓				7.404
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

#1702 & 1703 IN box IN Reverse Order - so may be from incorrect Niskin bottle OK.

ENTERED BY:

CHECKED BY:

Bottom Depth: 110.

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0642

Bottom: 0645

End:

START POSITION (GPS)

LAT: 50 07.99

LONG: 127 05.60

BOTTOM POSITION (GPS)

LAT: 50 07.99

LONG: 127 05.58

END POSITION (GPS)

LAT: 50 07.98

LONG: 127 05.62

ROSETTE LOG

MISSION ID: 9931
STATION NAME: ESP2

UTC DATE y/m/d: 10/8/99
CAST NUMBER: 136

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	✓	CHL	C13	Phylo		
1	1705	1106		60+10	147	✓												
2	06	1110		125	125	✓											OK	2.637 check
3	07	1126		100	100	✓												2.428
4	08	1128		75	75	✓												2.852
5	09	1130		50	50	✓												2.652
6	1710	1132		30	30	✓							324					1.999 check
7	11	1134		20	20	✓												5.535
8	12	1136		10	10	✓				✓								7.951
9	13	1135		5	5	✓				✓								8.416
10	1714	1137		0	0.7	✓				✓								6.390
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: L1331E
CHECKED BY:

Bottom Depth: 154

Cast # down: 136

Cast # up:

Time	LOC	UTC
Begin: 0702		14:02
Bottom: 0707		14:07
End: 0718		14:18

START POSITION (GPS)
LAT: 49° 58.49
LONG: 126° 55.96

BOTTOM POSITION (GPS)
LAT: 49° 58.51
LONG: 126° 55.97

END POSITION (GPS)
LAT: 49° 58.57
LONG: 126° 56.02

Comments: #over-rotation 108, 3 1/2 #1705 - MICRO VALVE WORN OUT - Replaced valve of #1706.
NB. FLASK #1137 HAS LARGE CHIP off of STOPPER END - VOLUME should be checked.

ROSETTE LOG

MISSION ID: 9931
STATION NAME: ZEB4

UTC DATE y/m/d: 10/08/99
CAST NUMBER: 137

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	1715	1138		bot -10	232	✓	✓	✓									3.172	
2	1716	1141		200	200	✓											3.187	
3	1717	1142		175	175	✓											3.225	
4	1718	1146		150	150	✓											3.202	
5	1719	1148		125	125	✓											3.098	
6	1720	1152		100	100	✓											2.997	
7	1721	1154		75	75	✓											2.973	
8	1722	1158		50	50	✓						0.518					3.132	check
9	1723	1168		30	30	✓											3.390	✓
10	1724	1171		20	20	✓											4.648	(OK)
11	1725	1174		10	10	✓											5.904	
12	1726	1175		0	0.7	✓	✓	✓									7.576	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: L331E
CHECKED BY:

Bottom Depth: 238

Cast # down: 137

Cast # up:

Time	LOC	UTC
Begin:	0804	1504
Bottom:	0810	1510
End:	0825	1525

START POSITION (GPS)
LAT: 49° 51.33
LONG: 126° 55.69

BOTTOM POSITION (GPS)
LAT: 49° 51.31
LONG: 126° 55.68

END POSITION (GPS)
LAT: 49° 51.33
LONG: 126° 55.66

Comments: 11719 proximat STALLED - Noticed black deposit in tube above micro valve - replaced tube.

ROSETTE LOG

MISSION ID: 9931
STATION NAME: ZEB 2.5UTC DATE y/m/d: 10/08/99
CAST NUMBER: 138SHIP: 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		Cl3		PH			
1	1727	1193		bot -10	223	✓											2.982
2	1728	1194		175	175	✓											3.242
3	1729	1195		150	150	✓											3.289
4	1730	1197		125	125	✓											3.218
5	1731	1198		100	100	✓											3.056
6	1732	1201		75	75	✓											2.998
7	1733	1202		50	50	✓							0.581				3.171
8	1734	1203		30	30	✓											3.273
9	1735	1204		20	20	✓											4.837
10	1736	1206		10	10	✓				✓							6.595
11	1737	1209		5	5	✓				✓			✓				7.761
12	1738			0	0.8	✓				✓			✓				7.392
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: L1331E

CHECKED BY:

Bottom Depth: 230Cast # down: 138

Cast # up:

Time	LOC	UTC
Begin: 0907		1607
Bottom: 0912		1612
End: 0925		1625

START POSITION (GPS)

LAT: 49° 53' 67LONG: 126° 48' 04

BOTTOM POSITION (GPS)

LAT: 49° 53' 68LONG: 126° 48' 02

END POSITION (GPS)

LAT: 49° 53' 69LONG: 126° 48' 98

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: ZCB 1

UTC DATE y/m/d: 10/08/99
CAST NUMBER: 139

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	CI3	TCO	PH7				
1	1739	1212		bot -10	104	✓											2.416	
2	1740	1215		75	75	✓								471			2.440	check
3	1741	1216		50	50	✓											3.083	
4	1742	1218		30	30	✓											1.781	
5	1743	1219		20	20	✓											4.225	
6	1744	1222		10	10	✓				✓							7.416	
7	1745	1223		5	5	✓				✓			✓				8.113	
8	1746	1224		0	0.9	✓				✓			✓				7.875	
9																		
10																		
11																		↑
12																		
13																		for
14																		Bernard
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: L331E
CHECKED BY:

Bottom Depth: 111

Cast # down: 139
Cast # up:

Time	LOC	UTC
Begin:	1004	1204
Bottom:	1007	1207
End:	1014	1714

START POSITION (GPS)
LAT: 49° 57' 97
LONG: 126° 51' 09

BOTTOM POSITION (GPS)
LAT: 49° 57' 96
LONG: 126° 51' 10

END POSITION (GPS)
LAT: 49° 57' 96
LONG: 126° 51' 09

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: TAH 2UTC DATE y/m/d: 10/08/99
CAST NUMBER: 140SHIP: 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		PH			
1	1747	1225		bot -10	165	✓											0.780
2	1748	1228		150	150	✓											2.801
3	1749	1230		125	125	✓											2.505
4	1750	1231		100	100	✓											0.475
5	1751	1233		75	75	✓											2.424
6	1752	1234		50	50	✓											2.386
7	1753	1235		30	30	✓											3.028
8	1754	1237		20	20	✓											3.311
9	1755	1238		10	10	✓											4.906
10	1756	1240		5	5	✓								✓			6.966
11	1757	1241		0	0.9	✓								✓			7.636
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: L1331E

CHECKED BY:

Bottom Depth: 168Cast # down: 140

Cast # up:

Time LOC UTC

Begin: 1146 1846Bottom: 1150 1850End: 1200 1900

START POSITION (GPS)

LAT: 49° 53.99LONG: 126° 39.47

BOTTOM POSITION (GPS)

LAT: 49° 53.99LONG: 126° 39.41

END POSITION (GPS)

LAT: 49° 54.01LONG: 126° 39.37

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: TAH 2UTC DATE y/m/d: 10/08/99
CAST NUMBER: 141SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO						
1	1758	1243		bot -10	194	✓											2.509
2	1759	1244		150	150	✓											2.886
3	1760	1247		125	125	✓											2.900
4	1761	1248		100	100	✓											2.801
5	1762	1249		75	75	✓											2.791
6	1763	1251		50	50	✓											3.120
7	1764	1252		30	30	✓											3.667
8	1765	1254		20	20	✓											4.292
9	1766			10	10	✓											5.472
10	1767			0	1.0	✓											7.454
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: L1331E

CHECKED BY:

Bottom Depth: 200Cast # down: 141

Cast # up:

Time	LOC	UTC
Begin:	1225	1925
Bottom:	1227	1929
End:	1239	1939

START POSITION (GPS)

LAT: 49° 51.38LONG: 126° 39.79

BOTTOM POSITION (GPS)

LAT: 49° 51.41LONG: 126° 39.79

END POSITION (GPS)

LAT: 49° 51.38LONG: 126° 39.79

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: TAH 3

UTC DATE y/m/d: 10/08/99
CAST NUMBER: 142

SHIP: VECTOR

ENTERED BY: LIZBIE
CHECKED BY:

on file
146

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	THY				
1	1768	1258		bot -10	117	✓		I	I				0.502	→	2.699	check		
2	1769			100	100	✓		I	I						2.793	OK ✓		
3	1770	1261		75	75	✓		I	I						3.169			
4	1771	1264		50	50	✓		I	I						3.390			
5	1772	1267		30	30	✓		I	I						3.987			
6	1773	1269		20	20	✓		I	I						4.604			
7	1774	1268		10	10	✓		I	I						5.369			
8	1775	1270		5	5	✓		I	I				✓		6.872			
9	1776			0	1.0	✓		I	I				✓		2.246			
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Bottom Depth: 125

Cast # down: 142

Cast # up:

Time	LOC	UTC
Begin: 1305		2006
Bottom: 1309		2009
End: 1312		2017

START POSITION (GPS)	
LAT: 49° 47.96	
LONG: 126° 39.15	

BOTTOM POSITION (GPS)	
LAT: 49° 47.86	
LONG: 126° 39.08	

END POSITION (GPS)	
LAT: 49° 47.79	
LONG: 126° 39.01	

Comments:

ROSETTE LOG

MISSION ID: 7731
STATION NAME: TLU 1

UTC DATE y/m/d: 10/08/99
CAST NUMBER: 143

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		CI3	PHY					
1	1777	1272		bot -10	249	✓											2.106	
2	1778	1274		200	200	✓											2.299	
3	1779	1275		175	175	✓											2.333	
4	1780	1273		150	150	✓							0.445				2.408	check
5	1781	1276		125	125	✓											2.553	OK ✓
6	1782	1277		100	100	✓											2.602	
7	1783	1278		75	75	✓											2.527	
8	1784			50	50	✓											2.385	
9	1785			30	30	✓											3.768	
10	1786			20	20	✓											5.540	
11	1787	1106		10	10	✓											6.744	
12	1788			5	5	✓							✓				8.072	
13	1789			0	0.5	✓							✓				8.728	
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: L1331E
CHECKED BY:

Bottom Depth: 260

Cast # down: 143
Cast # up:

Time	LOC	UTC
Begin: 1424		2124
Bottom: 1430		2130
End: 1443		2143

START POSITION (GPS)
LAT: 49°41.64
LONG: 126°31.03

BOTTOM POSITION (GPS)
LAT: 49°41.64
LONG: 126°30.95

END POSITION (GPS)
LAT: 49°41.65
LONG: 126°31.08

Comments:

ROSETTE LOG

MISSION ID:

7931

UTC DATE y/m/d:

10/08/99

STATION NAME:

T2V 2

CAST NUMBER:

144

SHIP:

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	1790	1128		145	139	✓			✓	✓										2.460	
2	1791	1130		125		✓			✓	✓										2.584	
3	1792	1132		100		✓			✓	✓										2.626	
4	1793			75		✓			✓	✓										2.840	
5	1794	1136		50		✓			✓	✓										2.542	
6	1795	1135		30		✓			✓	✓										3.510	
7	1796	1137	128.26	20		✓			✓	✓										(6.774) ??	
8	1797	1138		10		✓			✓	✓										8.327	
9	1798	1141		5		✓			✓	✓										9.143	
10	1799	1142		0	.9	✓			✓	✓										7.070	
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					

ENTERED BY:

CHECKED BY:

Bottom Depth: 148.

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		22 27
Bottom:		22 31
End:		2240

START POSITION (GPS)

LAT: 49 46.82

LONG: 126 28.21

BOTTOM POSITION (GPS)

LAT: 49 46.80

LONG: 126 28.21

END POSITION (GPS)

LAT: 49 46.78

LONG: 126 28.19

Comments:

* 1796 FORGOT TO ENTER FLASK # 1137

ROSETTE LOG

MISSION ID: 9931
STATION NAME: MUC 5

UTC DATE y/m/d: 99/08/10
CAST NUMBER: 145

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO	pH
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	1800	1146		bot - 10		✓		✓			0.524						3.258	Reck
2	1801	1148		200		✓		✓									2.416	
3	1802	1153		175		✓		✓									2.435	OW
4	1803	1154		150		✓		✓									2.446	
5	1804	1158		125		✓		✓									2.448	
6	1805	1168		100		✓		✓									2.381	
7	1806	1171		75		✓		✓									2.373	
8	1807	1174		50		✓		✓									2.479	
9	1808	1175		30		✓		✓									3.914	
10	1809	1176		20		✓		✓									5.146	
11	1810	1177		10		✓		✓									5.903	
12	1811	1180		0				✓									8.719	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: LRR
CHECKED BY:

Bottom Depth: 226.

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		23 41
Bottom:		23 46
End:		

START POSITION (GPS)
LAT: 49 39 00
LONG: 126 28 59

BOTTOM POSITION (GPS)
LAT: 49 39 01
LONG: 126 28 61

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: MUC 4UTC DATE y/m/d: 99/08/11.
CAST NUMBER: 146

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	1812	1193		bott-10	279	✓	✓	✓									2.560	
2	1813			250		✓	✓										2.576	
3	1814	1195		200		✓	✓										2.628	
4	1815	1197		175		✓											2.661	
5	1816			150		✓											2.667	
6	1817	1201		125		✓											2.624	
7	1818			100		✓							stalled				2.850	
8	1819	1203		75		✓											3.015	
9	1820	1204		50		✓											1.405	
10	1821			30		✓											3.603	
11	1822			20		✓											4.967	
12	1823	1210		10		✓											5.995	
13	1824			0	.5	✓	✓										7.110	
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 286

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0037
Bottom:		0043
End:		0056

START POSITION (GPS)	
LAT:	49 38.50
LONG:	126 20.79

BOTTOM POSITION (GPS)	
LAT:	49 38.53
LONG:	126 20.70

END POSITION (GPS)	
LAT:	49 38.52
LONG:	126 20.75

Comments:

ROSETTE LOG

MISSION ID: 99-31
STATION NAME: MUC 3

UTC DATE y/m/d: 99/08/11
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					
								OXY		CHL		C13						
1	1825	1215		319	359	✓	✓	✓	✓								2.556	
2	1826	1216		300	300	✓	✓										2.592	
3	1827	1218		250	250	✓	✓										2.642	
4	1828	1219		200	250	✓											2.645	
5	1829	1222		175	200	✓											2.698	
6	1830	1223		150	175	✓											2.702	
7	1831	1224		125	150	✓											2.656	
8	1832	1225		100	125	✓											2.623	
9	1833	1228		75	100	✓											2.863	
10	1834	1230		50	75	✓											2.115	
11	1835	1231		30	50	✓											1.831	
12	1836	1233		20	30	✓											3.902	
13	1837	1234		10	20	✓											5.235	
14	1838	1235		5	10	✓											6.375	
15	1839			0	5	✓		✓	✓				✓				6.746	
16	1840	1238		1	0	✓		✓	✓				✓				7.493	
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 367

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0127
Bottom:		0135
End:		0154

START POSITION (GPS)
LAT: 49 38.97
LONG: 126 14.55

BOTTOM POSITION (GPS)
LAT: 49 39.01
LONG: 126 14.52

END POSITION (GPS)
LAT: 38.98
LONG: 14.53

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: MUC 2UTC DATE y/m/d: 99/08/11
CAST NUMBER: 148

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	1840	1241		bot-10	361	✓		✓									2.563	
2	1841	1243		300		✓		↑									2.603	
3	1842			250		✓											2.621	
4	1843	1247		200		✓											2.694	
5	1844	1248		175		✓											2.674	
6	1845	1249		150		✓											2.641	
7	1846			125		✓											2.600	
8	1847			100		✓											2.791	
9	1848			75		✓											2.590	
10	1849	1256		50		✓											1.572	
11	1850	1257		30		✓											4.330	
12	1851			20		✓											6.155	
13	1852			10		✓		↓									7.343	
14	1853			0		✓		✓									7.182	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 367.

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		0228
End:		0243

START POSITION (GPS)
LAT:
LONG:BOTTOM POSITION (GPS)
LAT: 49 40.17
LONG: 126 09.63END POSITION (GPS)
LAT: 49 40 20
LONG: 126 09 58

Comments:

ROSETTE LOG

MISSION ID:

9931

UTC DATE y/m/d:

99/08/11

SHIP: VECTOR

STATION NAME:

M5 km

CAST NUMBER:

149

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	1854	1264		bott-10	1166	✓		↑									2.593	
2	1855	1267		150		✓											2.55	stalled
3	1856			125		✓											2.586	
4	1857			100		✓											2.737	
5	1858			75		✓											1.913	
6	1859			50		✓											1.209	
7	1860			30		✓											3.522	
8	1861			20		✓											5.545	
9	1862	1274		10		✓											7.824	
10	1863			0				↓									7.316	
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

LRL

CHECKED BY:

Bottom Depth:

174

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0307

Bottom: 0311

End: 0321

START POSITION (GPS)

LAT: 49 38 99

LONG: 126 05 64

BOTTOM POSITION (GPS)

LAT: 49 38 99

LONG: 126 05 58

END POSITION (GPS)

LAT: 49 39 00

LONG: 126 05 59

ROSETTE LOG

MISSION ID: 9931
STATION NAME: MUC 1

UTC DATE y/m/d: 99/08/11
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	✓	CHL	C13	Phy	TO	
1	1864	1106		bott-10	124	✓		✓									2.358
2	1865	1110		100		✓		✓									2.631
3	1866	1126		75		✓		✓									1.214
4	1867	1128		50		✓		✓									1.024
5	1868	1130		30		✓		✓									3.979
6	1869	1132		20		✓		✓									6.228
7	1870	1134		10		✓		✓									8.260
8	1871	1135		5		✓		✓				✓					9.307
9	1872	1136		0		✓		✓				✓					7.807
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:
CHECKED BY:

Bottom Depth: 133

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0340
Bottom:		0345
End:		0353

START POSITION (GPS)
LAT: 49 37 49
LONG: 126 03 72

BOTTOM POSITION (GPS)
LAT: 49 37 46
LONG: 126 03 70

END POSITION (GPS)
LAT: 49 37 48
LONG: 126 03 63

Comments: 1866 DOXIMAT started

ROSETTE LOG

MISSION ID: 9931
STATION NAME: 41

UTC DATE y/m/d: 11/8/99
CAST NUMBER: 151

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO	ml/l
					Trip pressure	Confirmed Salinity	SAL	OXY	NUT	CHL	ALK	C13	Tco	Ph				
1	1873	1137		bot-5	20	✓			✓								3.979	
2	74	1138		15	15	✓											4.059	
3	75	1141		12	12	✓											4.239	
4	76	1142		10	10	✓											4.288	
5	77	1146		8	8	✓											4.301	
6	78	1148		6	6	✓											4.793	
7	79	1153		4	4	✓											6.423	
8	1880	1154		2	2	✓								✓			6.663	
9	1881	1158		0	0.7	✓								✓	1.157		7.073	check
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: LIZIE
CHECKED BY:

Bottom Depth: 20

Cast # down: 151
Cast # up:

Time	LOC	UTC
Begin: 0735		1435
Bottom: 0737		1437
End: 0743		1443

START POSITION (GPS)
LAT: 48° 55.16
LONG: 125° 31.15

BOTTOM POSITION (GPS)
LAT: 48° 55.16
LONG: 125° 31.18

END POSITION (GPS)
LAT: 48° 55.15
LONG: 125° 31.18

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: 04

UTC DATE y/m/d: 99/08/11
CAST NUMBER: 152

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	1882	1168		bot -5	19	✓											4.103	
2	1883	1171		15	15	✓											3.934	
3	1884	1174		12	12	✓											3.998	
4	1885	1175		10	10	✓											4.071	
5	1886	1176		8	8	✓											4.149	
6	1887	1177		6	6	✓											4.205	
7	1888	1180		4	4	✓											4.533	
8	1889	1188		2	2	✓											4.886	
9	1890	1189		0	1.2	✓											5.045	
10																		
11																		
12																		
13																		
14																		
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24																		

ENTERED BY: L1331E
CHECKED BY:

Bottom Depth: 21

Cast # down: 152

Cast # up:

Time	LOC	UTC
Begin: 0805		1505
Bottom: 0807		1507
End: 0811		1511

START POSITION (GPS)
LAT: 48° 56.59
LONG: 125° 32.46

BOTTOM POSITION (GPS)
LAT: 48° 56.58
LONG: 125° 32.45

END POSITION (GPS)
LAT: 48° 56.57
LONG: 125° 32.47

Comments: 1886 - POSIMAT STUCK

ROSETTE LOG

MISSION ID: 9931
STATION NAME: USUTC DATE y/m/d: 99/08/11
CAST NUMBER: 153SHIP: 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	PHY				
1	1891	1241		bot -5	18	✓											4.06	
2	1892	1243		15	15	✓											4.234	
3	1893	1244		12	12	✓											3.981	
4	1894	1247		10	10	✓											3.952	
5	1895	1248		8	8	✓											6.300	??
6	1896	1249		6	6	✓											3.467	
7	1897	1251		4	4	✓											3.528	
8	1898	1252		2	2	✓								✓			4.111	
9	1899	1254		0	1.1	✓								✓			4.326	
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: LIZZIE
CHECKED BY:Bottom Depth: 23Cast # down: 153

Cast # up:

Time	LOC	UTC
Begin:	0827	1527
Bottom:	0829	1529
End:	0835	1535

START POSITION (GPS)
LAT: 48° 57' 04
LONG: 125° 33' 04BOTTOM POSITION (GPS)
LAT: 48° 57' 04
LONG: 125° 33' 04END POSITION (GPS)
LAT: 48° 57' 03
LONG: 125° 33' 04

Comments:

#1895 - may be ~~over~~ under-titrated - forgot stir bar. COPS. EB. 98.9% transmission

ROSETTE LOG

MISSION ID: 9731
STATION NAME: A12

UTC DATE y/m/d: 99/08/11
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	1900	1256		bot -10	84	✓											2.120	
2	1901	1257		75	75	✓											2.134	
3	1902	1258		50	50	✓											2.957	
4	1903	1260		30	30	✓											3.629	
5	1904	1261		20	20	✓											4.112	
6	1905	1264		10	10	✓											4.353	
7	1906	1267		0	1.1	✓												
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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22																		
23																		
24																		

ENTERED BY: L1331E
CHECKED BY:

Bottom Depth: 74

Cast # down: 154

Cast # up:

Time	LOC	UTC
Begin:	1045	1245
Bottom:	1045	1248
End:	1054	1254

START POSITION (GPS)
LAT: 48° 58' 18"
LONG: 125° 07' 81"

BOTTOM POSITION (GPS)
LAT: 48° 58' 12"
LONG: 125° 07' 80"

END POSITION (GPS)
LAT: 48° 58' 12"
LONG: 125° 07' 26"

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: AS

UTC DATE y/m/d: 99/08/11
CAST NUMBER: 155

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO						
							✓	✓									2.095
1	1907	1268		bot -10	356	✓		✓									2.456
2	1908	1269		300	300	✓		✓									2.126
3	1909	1270		250	250	✓		✓									2.155
4	1910	1271		200	200	✓											2.202
5	1911	1272		175	175	✓											2.231
6	1912	1273		150	150	✓											2.239
7	1913	1274		125	125	✓											2.381
8	1914	1275		100	100	✓											2.639
9	1915	1276		75	75	✓											3.409
10	1916	1277		50	50	✓											3.918
11	1917	1278		30	30	✓											4.277
12	1918	1279		20	20	✓											4.726
13	1919	1280		10	10	✓											6.569
14	1920	1281		0	0.5	✓											
15																	
16																	
17																	
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22																	
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24																	

ENTERED BY: L1331E
CHECKED BY:

Bottom Depth: 365

Cast # down: 155

Cast # up:

Time	LOC	UTC
Begin:	1202	1902
Bottom:	1210	1910
End:	1226	1926

START POSITION (GPS)
LAT: 48° 59.62
LONG: 124° 53 48

BOTTOM POSITION (GPS)
LAT: 48° 59 60
LONG: 124° 53 51

END POSITION (GPS)
LAT: 48° 59 55
LONG: 124° 53 52

Comments:

Overwritten by A4. — ON CTD COMPUTER —
NB. A5 & A4 are in same oxy file 99310155.OXY

ROSETTE LOG

MISSION ID: 9931
STATION NAME: A4

UTC DATE y/m/d: 99/08/11
CAST NUMBER: 156

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	CI3	TCO				
1	1921	1106		bot -10	285	✓											2.127
2	1922	1110		250	250	✓											2.125
3	1923	1126		200	200	✓											2.139
4	1924	1128		175	175	✓											2.150
5	1925	1130		150	150	✓											2.169
6	1926	1132		125	125	✓											2.215
7	1927	1134		100	100	✓											2.437
8	1928	1135		75	75	✓											2.708
9	1929	1136		50	50	✓											3.158
10	1930	1137		30	30	✓											3.910
11	1931	1138		20	20	✓											4.657
12	1932	1141		10	10	✓											4.959
13	1933	1142		0	0.6	✓											6.263
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: LIZZIE
CHECKED BY:

Bottom Depth: 294

Cast # down: 155
Cast # up:

Time	LOC	UTC
Begin: 1254		1954
Bottom: 1301		2001
End: 1315		2015

START POSITION (GPS)
LAT: 49° 02 72
LONG: 124° 51 18

BOTTOM POSITION (GPS)
LAT: 49° 02 69
LONG: 124° 51 18

END POSITION (GPS)
LAT: 49° 02 67
LONG: 124° 51 22

Comments: N.B. in same file as A4 99310155 oxy

ROSETTE LOG

MISSION ID: 9931
STATION NAME: PA 13

UTC DATE y/m/d: 11/08/99
CAST NUMBER: 156 157

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	PH				
1	1934	1146		bot -10	125	✓											2.690	
2	1935	1148		100	100	✓											2.874	
3	1936	1153		75	75	✓											2.751	
4	1937	1154		50	50	✓											3.500	
5	1938	1158		30	30	✓											3.952	
6	1939	1168		20	20	✓											4.180	
7	1940	1171		10	10	✓				✓							4.366	
8	1941	1174		5	5	✓				✓				✓			4.470	
9	1942	1175		0	1.0	✓				✓				✓			4.318	
10																		
11																		
12																		
13																		
14																		
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22																		
23																		
24																		

ENTERED BY: LIZZIE
CHECKED BY:

Bottom Depth: 132

Cast # down: 156
Cast # up:

Time	LOC	UTC
Begin:	1355	2055
Bottom:	1359	2059
End:	1409	2109

START POSITION (GPS)
LAT: 49° 07 69
LONG: 124° 48 49

BOTTOM POSITION (GPS)
LAT: 49° 07 67
LONG: 124° 48 41

END POSITION (GPS)
LAT: 49° 07 75
LONG: 124° 48 41

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: A2UTC DATE y/m/d: 11/08/99
CAST NUMBER: 757 158SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	NUT	ALK	TCO								
1	1943	1193		bot -5	110	✓												2.532
2	1944	1194		75	75	✓												2.592
3	1945	1195		50	50	✓												2.446
4	1946	119		40	40	✓												2.566
5	1947	1198		30	30	✓												3.365
6	1948	1201		25	25	✓												3.702
7	1949	1202		20	20	✓												4.068
8	1950	1203		15	15	✓												4.149
9	1951			10	10	✓												4.419
10	1952			5	5	✓												4.241
11	1953	1209		0	1.1	✓												6.842
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: L1331E

CHECKED BY:

Bottom Depth: 114Cast # down: 157

Cast # up:

Time	LOC	UTC
Begin:	1433	2133
Bottom:	1436	2136
End:	1449	2149

START POSITION (GPS)		
LAT:	49° 09	91
LONG:	124° 48	61

BOTTOM POSITION (GPS)		
LAT:	49° 09	92
LONG:	124° 48	61

END POSITION (GPS)		
LAT:	49° 08	93
LONG:	124° 48	62

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: A0*

UTC DATE y/m/d: 11/08/99
CAST NUMBER: 158-159

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	1954	1212		bot -5	55	✓											2.032	
2	1955			40		✓											2.230	
3	1956			30		✓											2.057	
4	1957	1218		25		✓											2.998	
5	1958			20		✓											3.449	
6	1959	1222		15		✓											3.613	
7	1960	1223		10		✓											3.756	
8	1961	1224		5		✓											5.563	
9	1962			0		✓											6.710	
10																		
11																		
12																		
13																		
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23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 63

Cast # down: 158

Cast # up:

Time	LOC	UTC
Begin:		2208
Bottom:		2210
End:		

START POSITION (GPS)
LAT: 49 10.19
LONG: 124 49.12

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

1.6 ↓
.9 ↑

Comments:

ROSETTE LOG

MISSION ID: 9931
STATION NAME: PA1 *

UTC DATE y/m/d: 99/08/11
CAST NUMBER: 759 160

SHIP:

ENTERED BY:
CHECKED BY:

Bottom Depth: 18

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2239
Bottom:		2241
End:		

START POSITION (GPS)
LAT: 49 13.92
LONG: 124 49.08

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

		ROSETTE OPERATION		Samples taken													
Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO	✓					
							OXY		CHL	C13	phyto						
1	1963			bott-5	15	✓		✓								3497	
2	1964			10		✓		✓								3582	
3	1965			5		✓		✓				✓				6420	
4	1966	1237		0		✓		✓				✓				6899	
5																	
6																	
7																	
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Comments: