

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: S3UTC DATE y/m/d: 2000/05/02
CAST NUMBER: 001SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	1			bot-10*	✓		✓	↑									0.00*	0
2	2			200	✓		✓										3.18	.073
3	3			175	175	✓	✓										2.17	.050
4	4			150	149	✓											4.15	.095
5	5			125	125	✓											4.06	.093
6	6			100	101	✓											47.10	1.079
7	7			75	74	✓											140.69	3.223
8	8			50	50	✓											194.32	4.456
9	9			30	30	✓											206.41	4.728
10	10			20	20	✓											732.11	5.317
11	11			10	9	✓											270.30	6.192
12	12			0	1	✓		↓									492.77	11.288
13																		
14																		
15																		
16																		
17																	C = men	
18																	D Temp	
19																	F Sal	
20																	K oxy	
21																		
22																		
23																		
24																		

Comments: O₂ #5 had small bubbles after fixationX Sample #1 had H₂S odourENTERED BY: Fok
CHECKED BY:Bottom Depth: 228Cast # down: 001Cast # up: 001

Time	LOC	UTC
Begin:		<u>01 26</u>
Bottom:		<u>01 32</u>
End:		<u>01 51</u>

START POSITION (GPS)		
LAT:	<u>48</u>	<u>35 24</u>
LONG:	<u>123</u>	<u>30 16</u>

BOTTOM POSITION (GPS)		
LAT:	<u>48</u>	<u>35 23</u>
LONG:	<u>123</u>	<u>30 15</u>

END POSITION (GPS)		
LAT:	<u>48</u>	<u>35 16</u>
LONG:	<u>123</u>	<u>30 18</u>

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: SE 10UTC DATE y/m/d: 00/5/2
CAST NUMBER: 2SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										OC	OC
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13		PH				
1	13				← 807-10	✓	265										71.64	1.641
2	14				200	✓											44.01	1.008
3	15				175	✓											36.95	0.846
4	16				150	✓											43.81	1.004
5	17				125	✓											38.28	0.877
6	18				100	✓											32.74	0.750
7	19				75	✓											58.12	1.331
8	20				50	✓											81.85	1.875
9	21				30	✓											117.83	2.699
10	22				20	✓											200.24	4.587
11	23				10	✓											235.88	5.403
12	24				5	✓								✓			264.87	6.068
13	25				0	✓								✓			337.77	7.728
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: E-Tok
CHECKED BY: MRBottom Depth: 273Cast # down: 2Cast # up: 2

Time	LOC	UTC
Begin:		1421
Bottom:		1429
End:		1444

START POSITION (GPS)
LAT: 50° 11' 40
LONG: 123° 57' 17BOTTOM POSITION (GPS)
LAT: 50° 11' 40
LONG: 123° 57' 20END POSITION (GPS)
LAT: 50° 11' 37
LONG: 123° 57' 23Comments: #13 is darker than shallower sample. (w/fig titration)

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: JE-9

UTC DATE y/m/d: 00/5/2
CAST NUMBER: 3

SHIP: VETOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ mmHg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	26			BOT	355	✓			✓								82.72	1.895
2	27			300		✓											81.45	1.866
3	28			250		✓											74.14	1.698
4	29			200		✓											51.69	1.184
5	30			175		✓											46.02	1.054
6	31			150		✓											44.64	1.022
7	32			125		✓											53.27	1.220
8	33			100		✓											51.71	1.185
9	34			75		✓											65.40	1.498
10	35			50		✓											88.41	2.025
11	36			30		✓											118.47	2.714
12	37			20		✓											200.48	4.593
13	38			10		✓											249.39	5.713
14	39			0		✓											316.08	7.241
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 361

Cast # down: 3
Cast # up: 3

Time LOC UTC
Begin: 1525
Bottom: 1531
End: 1549

START POSITION (GPS)
LAT: 50°08.56
LONG: 123°150.43

BOTTOM POSITION (GPS)
LAT: 50°08.53
LONG: 123°50.37

END POSITION (GPS)
LAT: 50°08.44
LONG: 123°50.19

Comments: O₂ #39: copepods, etc in sample

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: JE 8UTC DATE y/m/d: 00/05/1
CAST NUMBER: 4

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ mmHg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	40			Bot	470	✓		✓									93.39	2.139
2	41			400		✓											93.88	2.151
3	42			300		✓											84.94	1.946
4	43			250		✓											75.98	1.741
5	44			200		✓											66.46	1.522
6	45			175		✓											54.89	1.257
7	46			150		✓											71.74	1.643
8	47			125		✓											68.08	1.560
9	48			100		✓											72.35	1.657
10	49			75		✓											66.94	1.533
11	50			50		✓											87.73	2.010
12	51			30		✓											95.55	2.189
13	52			20		✓											176.29	4.032
14	53			10		✓											249.74	5.721
15	54			0		✓		✓									318.19	7.289
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: ANNA
CHECKED BY: MR

Bottom Depth: 477

Cast # down: 4
Cast # up: 4

Time	LOC	UTC
Begin:		1620
Bottom:		1628
End:		1648

START POSITION (GPS)
LAT: 50° 05' 33"
LONG: 123° 46' 69"BOTTOM POSITION (GPS)
LAT: 50° 05' 33"
LONG: 123° 46' 69"END POSITION (GPS)
LAT: 50° 05' 30"
LONG: 123° 46' 66"Comments: #415 - 0.25m in sample
#419 - a few small bubbles
#50 - nubbly

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: JF 7

UTC DATE y/m/d: 00/05/2
CAST NUMBER: 5

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ mmol/kg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT	ALK	TCO							
								OXY	CHL	Cl3		pH						
1	55			Bot	531	/			/								90.41	2.071
2	56			Bot		/	✓	✓									94.50	2.165
3	57			500		/	✓										93.18	2.134
4	58			400		/	✓										86.08	1.972
5	59			300		/	✓										75.16	1.722
6	60			250		/											66.03	1.513
7	61			200		/											75.56	1.731
8	62			175		/											97.39	2.231
9	63			150		/											81.24	1.861
10	64			125		/											85.81	1.966
11	65			100		/											78.87	1.807
12	66			75		/											95.12	2.179
13	67			50		/											143.49	3.287
14	68			30		/											202.03	4.628
15	69			20		/											255.05	5.843
16	70			10		/			✓								288.90	6.618
17	71			5		/			✓			✓					352.50	8.075
18	72			0		/		✓	✓			✓						
19	73			0		/			✓									
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 541

Cast # down: 5
Cast # up: 5

Time	LOC	UTC
Begin:		1723
Bottom:		1731
End:		1752

START POSITION (GPS)
LAT: 50 02.50
LONG: 123 51.16

BOTTOM POSITION (GPS)
LAT: 50 02.46
LONG: 123 51.19

END POSITION (GPS)
LAT: 50 02.36
LONG: 123 51.27

Comments:

flask #1268 chips in stopper

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: JE 6UTC DATE y/m/d: 00/5/2
CAST NUMBER: 6SHIP: VEZTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO <u>mmol/kg</u>	O ₂ <u>ml/L</u>
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	74			BOT		✓		✓									91.24	2.096
2	75			500		✓											92.09	2.109
3	76			400		✓											92.72	2.124
4	77			300		✓											88.69	2.032
5	78			250		✓											83.11	1.904
6	79			200		✓											86.05	1.971
7	80			175		✓											90.99	2.084
8	81			150		✓											95.40	2.185
9	82			125		✓											105.90	2.426
10	83			100		✓											104.70	2.387
11	84			75		✓											99.24	2.273
12	85			50		✓											99.50	2.279
13	86			30		✓											147.87	3.433
14	87			20		✓											206.39	4.728
15	88			10		✓											258.02	5.911
16	89			0		✓		✓									344.81	7.899
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: MR
CHECKED BY: CF/MRBottom Depth: 545Cast # down: 6Cast # up: 6

Time	LOC	UTC
Begin:		1837
Bottom:		1845
End:		1911

START POSITION (GPS)
LAT: 49° 59' 06"
LONG: 123° 59' 36"BOTTOM POSITION (GPS)
LAT: 49° 59' 01"
LONG: 123° 59' 44"END POSITION (GPS)
LAT: 49° 58' 87"
LONG: 123° 59' 49"

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: JE 5UTC DATE y/m/d: 00/05/02
CAST NUMBER: 8SHIP: VLZ TOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ mmHg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	90			BOT		✓			✓								92.30	2.114
2	91			500		✓											94.69	2.169
3	92			400		✓											94.48	2.164
4	93			300		✓											88.42	2.026
5	94			250		✓											90.17	2.066
6	95			200		✓											102.52	2.348
7	96			175		✓											119.59	2.739
8	97			150		✓											116.73	2.674
9	98			125		✓											117.28	2.687
10	99			100		✓											110.17	2.524
11	100			75		✓											94.32	2.161
12	101			50		✓											102.90	2.357
13	102			30		✓											118.41	3.400
14	103			20		✓											218.24	4.999
15	104			10		✓											261.45	5.989
16	105			0		✓											328.48	7.525
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: High O₂ - capped in sampleENTERED BY: MR
CHECKED BY: MRBottom Depth: 658Cast # down: 7Cast # up: 8

Time	LOC	UTC
Begin:		2028
Bottom:		2038
End:		2107

START POSITION (GPS)
LAT: 49° 54' 29
LONG: 123° 55' 30BOTTOM POSITION (GPS)
LAT: 49° 54' 26
LONG: 123° 55' 19END POSITION (GPS)
LAT: 49° 54' 11
LONG: 123° 54' 92

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: JE 4UTC DATE y/m/d: 00/5/02
CAST NUMBER: 9SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										µmol/kg	ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		CI3						
1	106			Bot		✓		✓									91.24	2.090
2	107			600		✓											92.38	2.116
3	108			500		✓											93.40	2.139
4	109			400		✓											93.90	2.151
5	110			300		✓											90.35	2.070
6	111			250		✓											95.50	2.188
7	112			200		✓											114.65	2.626
8	113			175		✓											117.40	2.689
9	114			150		✓											137.96	3.160
10	115			125		✓											132.20	3.028
11	116			100		✓											126.57	2.900
12	117			75		✓											107.52	2.463
13	118			50		✓											110.34	2.528
14	119			30		✓											141.97	3.252
15	120			20		✓											201.88	4.625
16	121			10		✓											249.15	5.708
17	122			0													332.05	7.607
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: MR
CHECKED BY:Bottom Depth: 671Cast # down: 9Cast # up: 9

Time	LOC	UTC
Begin:		<u>21 58</u>
Bottom:		<u>22 08</u>
End:		<u>22 38</u>

START POSITION (GPS)
LAT: 49 49 45
LONG: 123 54 18BOTTOM POSITION (GPS)
LAT: 49 49 57
LONG: 123 54 22END POSITION (GPS)
LAT: 49 49 16
LONG: 123 54 44

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: JE3

UTC DATE y/m/d: 00/5/02
CAST NUMBER: 10

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										µMol/kg	ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		CI3						
1	123			Bot		✓	✓										85.59	1.961
2	124			600		✓	✓										92.00	2.107
3	125			500		✓	✓										92.89	2.128
4	126			400		✓	✓										92.48	2.119
5	127			300		✓											91.81	2.103
6	128			250		✓											93.15	2.134
7	129			200		✓											104.91	2.403
8	130			175		✓											117.75	2.697
9	131			150		✓											153.25	3.511
10	132			125		✓											140.56	3.220
11	133			100		✓											142.42	3.263
12	134			75		✓											161.95	3.710
13	135			50		✓											147.02	3.368
14	136			30		✓											163.83	3.753
15	137			20		✓											211.65	4.848
16	138			10		✓											282.23	6.465
17	139			0		✓											334.12	7.654
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: EE
CHECKED BY:

Bottom Depth: 682

Cast # down: 010

Cast # up: 010

Time	LOC	UTC
Begin:		23 20
Bottom:		23 31
End:		23 58

START POSITION (GPS)
LAT: 49 48 60
LONG: 124 02 51

BOTTOM POSITION (GPS)
LAT: 49 48 64
LONG: 124 02 51

END POSITION (GPS)
LAT: 49 48 71
LONG: 124 02 66

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: SE-2

UTC DATE y/m/d: 00/05/03
CAST NUMBER: 11

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							uMol/kg	ml/l
1	140			807		✓													89.94	2.060
2	141			500		✓													90.23	2.067
3	142			400		✓													91.15	2.088
4	143			300		✓													97.04	2.223
5	144			250		✓													103.99	2.382
6	145			200		✓													138.24	3.167
7	146			175		✓													155.66	3.566
8	147			150		✓													164.09	3.759
9	148			125		✓													160.57	3.678
10	149			100		✓													146.43	3.354
11	150			75		✓													152.85	3.501
12	151			50		✓													146.20	3.349
13	152			30		✓													179.14	4.104
14	153			20		✓													253.64	5.810
15	154			10		✓													298.56	6.839
16	155			0		✓													327.98	7.513
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: EF
CHECKED BY:

Bottom Depth: 610

Cast # down: 11
Cast # up: 11

Time	LOC	UTC
Begin:		0038
Bottom:		0048
End:		0112

START POSITION (GPS)
LAT: 49 46.27
LONG: 124 09.43

BOTTOM POSITION (GPS)
LAT: 49 46 21
LONG: 124 09 69

END POSITION (GPS)
LAT: 49 46 13
LONG: 124 10 27

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: JE-1UTC DATE y/m/d: 00/05/03
CAST NUMBER: 12SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										µMol/kg	ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT	ALK	TCO							
								OXY	CHL	C13								
1	156			80F-10		✓											98.07	2.178
2	157			200		✓											135.27	3.099
3	158			175		✓											158.41	3.629
4	159			150		✓											174.82	4.005
5	160			125		✓											174.02	3.986
6	161			100		✓											166.46	3.813
7	162			75		✓											154.92	3.549
8	163			50		✓											161.25	3.694
9	164			30		✓											169.04	3.872
10	165			20		✓											261.61	5.993
11	166			10		✓											301.88	6.915
12	167			5		✓										✓	302.44	6.928
13	168			0		✓										✓	301.80	6.913
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: ET

CHECKED BY:

Bottom Depth: 279Cast # down: 12Cast # up: 12

Time	LOC	UTC
Begin:		01:59
Bottom:		02:03
End:		02:21

START POSITION (GPS)		
LAT:	49	42 33
LONG:	124	14 40

BOTTOM POSITION (GPS)		
LAT:	49	42 32
LONG:	124	14 42

END POSITION (GPS)		
LAT:	49	42 37
LONG:	124	14 49

Comments: #166 split very small amt. before titration (stopper chain too tight = 1269)

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: B48UTC DATE y/m/d: 2000/05/
CAST NUMBER: 013SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ ml/l	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	169			bot-10	220	✓											94.81	2.172
2	170			200		✓											92.90	2.128
3	171	1272		175		✓											112.25	2.571
4	172	1512		150		✓											93.42	2.140
5	173			125		✓											97.80	2.240
6	174			100		✓											107.40	2.460
7	175			75		✓											111.71	2.559
8	176			50		✓											113.83	2.608
9	177			30		✓											153.26	3.511
10	178			20		✓											179.60	4.114
11	179			10		✓											211.04	4.834
12	180			5		✓							✓				284.48	6.517
13	181			0		✓							✓				366.61	8.598
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY: MRBottom Depth: 230Cast # down: 13
Cast # up: 13

Time	LOC	UTC
Begin:		1356
Bottom:		1400
End:		1417

START POSITION (GPS)
LAT: 50°53.23
LONG: 124°1'50.94BOTTOM POSITION (GPS)
LAT: 50°53.21
LONG: 124°50.96END POSITION (GPS)
LAT: 50°53.19
LONG: 124°50.98Comments: # 171 stopper may have pulled out of flask
174 cap may have pulled out of flask

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: B07UTC DATE y/m/d: 00/05/03
CAST NUMBER: 14SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ $\mu\text{mol/kg}$	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	182			BOT	350	✓		✓									158.25	3.625
2	183			300		✓											106.25	2.934
3	184			250		✓											98.70	2.261
4	185			200		✓											92.50	2.119
5	186			175		✓											92.55	2.120
6	187			150		✓											94.99	2.176
7	188			125		✓											107.73	2.308
8	189			100		✓											111.20	2.547
9	190			75		✓											107.30	2.458
10	191			50		✓											126.55	2.899
11	192			30		✓											160.01	3.665
12	193			20		✓											191.38	4.384
13	194			10		✓											226.01	5.177
14	195			0		✓											376.00	8.613
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MRBottom Depth: 356Cast # down: 14Cast # up: 14

Time	LOC	UTC
Begin:		1449
Bottom:		1454
End:		1510

START POSITION (GPS)
LAT: 50° 49' 77"
LONG: 124° 53' 45"BOTTOM POSITION (GPS)
LAT: 50° 49' 77"
LONG: 124° 53' 41"END POSITION (GPS)
LAT: 50° 49' 74"
LONG: 124° 53' 35"Comments: #182 - large air bubble in bottle
#191 - dottle in bottle
#194 - stopped but pulled out of flask (flask 1269)

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: Bu6

UTC DATE y/m/d: 00/05/03
CAST NUMBER: 15

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ mmol/kg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	196			Bot	470	✓		✓									111.97	2.565
2	197			400		✓											110.37	2.527
3	198			300		✓											111.81	2.561
4	199			250		✓											101.14	2.317
5	200			200		✓											92.83	2.122
6	201			175		✓											93.76	2.146
7	202			150		✓											100.84	2.310
8	203			125		✓											(98/46)	(1.796)
9	204			100		✓											115.41	2.644
10	205			75		✓											115.65	2.649
11	206			50		✓											129.84	2.974
12	207			30		✓											178.29	4.084
13	208			20		✓											211.80	4.852
14	209			10		✓											282.34	6.468
15	210			0		✓		↓									375.97	8.613
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 479

Cast # down: 15
Cast # up: 15

Time	LOC	UTC
Begin:		1549
Bottom:		1556
End:		1615

START POSITION (GPS)
LAT: 50° 45.28
LONG: 124° 54.02

BOTTOM POSITION (GPS)
LAT: 50° 45.26
LONG: 124° 54.00

END POSITION (GPS)
LAT: 50° 45.17
LONG: 124° 53.97

Comments: note: #200 was cancelled but #199 labelling was done and then corrected.
#203: Thermistor hit a key after titration started, had to restart from measurement.

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: BUSUTC DATE y/m/d: 00/05/03
CAST NUMBER: 16SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												O ₂ mmol/kg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
1	211			BOT		✓			✓										113.61	2.602
2	212			BOT		✓	✓	✓												
3	213			500		✓	✓	✓											112.89	2.586
4	214			400		✓	✓	✓											112.77	2.583
5	215			300		✓	✓	✓											111.73	2.547
6	216			250		✓	✓	✓											100.69	2.305
7	217			200		✓	✓	✓											98.33	2.253
8	218			175		✓		✓											111.96	2.565
9	219			150		✓		✓											120.31	2.756
10	220			125		✓		✓											116.94	2.679
11	221			100		✓		✓											124.05	3.071
12	222			75		✓		✓											131.55	3.014
13	223			50		✓		✓											159.38	3.651
14	224			30		✓		✓											191.51	4.387
15	225			20		✓		✓											216.66	4.963
16	226			10		✓		✓		✓									258.89	5.931
17	227			5		✓		✓		✓				✓					339.70	7.782
18	228			0		✓		✓		✓				✓					368.63	8.444
19	229			0		✓														
20																				
21																				
22																				
23																				
24																				

ENTERED BY: MR
CHECKED BY: MRBottom Depth: 570Cast # down: 16
Cast # up: 16

Time	LOC	UTC
Begin:		1655
Bottom:		1704
End:		1725

START POSITION (GPS)
LAT: 50 40 72
LONG: 124 53 10BOTTOM POSITION (GPS)
LAT: 50 40 71
LONG: 124 53 11END POSITION (GPS)
LAT: 50 40 73
LONG: 124 53 17

Comments:

After last cast spring of bottle 13 broke. Replaced bottle 13 by bottle 24 prior to this cast.

#219 large air bubble before a cast

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: BU4UTC DATE y/m/d: 00/05/03
CAST NUMBER: 17

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ mol/kg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT	ALK	TCO							
1	230			BOT		✓		✓									100.70	2.307
2	231			600		✓											108.59	2.428
3	232			500		✓											113.65	2.603
4	233			400		✓											113.41	2.598
5	234			300		✓											109.67	2.512
6	235			250		✓											112.32	2.573
7	236			200		✓											113.26	2.594
8	237			175		✓											118.48	2.714
9	238			150		✓											129.76	2.972
10	239			125		✓											129.85	2.975
11	240			100		✓											134.86	3.089
12	241			75		✓											155.07	3.552
13	242			50		✓											192.49	4.409
14	243			30		✓											226.17	5.181
15	244			20		✓											243.18	5.571
16	245			10		✓											268.25	6.145
17	246			0		✓											371.09	8.501
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR

CHECKED BY: EF

Bottom Depth: 640

Cast # down: 17

Cast # up: 17

Time LOC UTC

Begin: 1808

Bottom: 1818

End: 1843

START POSITION (GPS)

LAT: 50° 35' 28"

LONG: 124° 54' 15"

BOTTOM POSITION (GPS)

LAT: 50° 35' 24"

LONG: 124° 54' 11"

END POSITION (GPS)

LAT: 50° 35' 24"

LONG: 124° 53' 96"

Comments: #242 - seawater in sample
244 - seawater
246 - seawater in sample

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: B03UTC DATE y/m/d: 00/05/03
CAST NUMBER: 12SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ mmol/kg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	247			807	640	✓		✓									104.67	2.398
2	248			600		✓											109.01	2.497
3	249			500		✓											112.59	2.579
4	250			400		✓											114.62	2.626
5	251			300		✓											116.08	2.522
6	252			250		✓											110.23	2.525
7	253			200		✓											118.81	2.722
8	254			175		✓											124.01	2.841
9	255			150		✓											132.12	3.027
10	256			125		✓											131.10	3.003
11	257			100		✓											153.07	3.506
12	258			75		✓											174.03	3.987
13	259			50		✓											200.14	4.585
14	260			30		✓											216.06	4.949
15	261			20		✓											239.68	5.490
16	262			10		✓											269.53	6.174
17	263			0		✓											341.81	7.830
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: EF
CHECKED BY: MRBottom Depth: 650Cast # down: 18Cast # up: 18

Time	LOC	UTC
Begin:		1921
Bottom:		1931
End:		1955

START POSITION (GPS)
LAT: 50 31.71
LONG: 124 58.02BOTTOM POSITION (GPS)
LAT: 50 31.72
LONG: 124 58.07END POSITION (GPS)
LAT: 50 31.78
LONG: 124 58.15Comments: 255 - copper rod may have interfered with endpoint
263 - phosphate in sample

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: B02

UTC DATE y/m/d: 00/05/03
CAST NUMBER: 19

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ m/mole/kg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	264			Bot	646	✓											103.49	2.371
2	265			600		✓											109.28	2.503
3	266			500		✓											111.52	2.555
4	267			400		✓											113.14	2.592
5	268			300		✓											111.63	2.557
6	269			250		✓											116.61	2.671
7	270			200		✓											123.62	2.832
8	271			175		✓											133.82	3.066
9	272			150		✓											135.81	3.111
10	273			125		✓											145.40	3.331
11	274			100		✓											161.01	3.688
12	275			75		✓											179.86	4.120
13	276			50		✓											189.01	4.330
14	277			30		✓											203.77	4.668
15	278			20		✓											231.73	5.306
16	279			10		✓											256.52	5.876
17	280	Flask 1269		0		✓											305.24	6.992
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 653

Cast # down: 19
Cast # up: 19

Time	LOC	UTC
Begin:		2038
Bottom:		2050
End:		2114

START POSITION (GPS)
LAT: 50°28.17
LONG: 125°04.65

BOTTOM POSITION (GPS)
LAT: 50°28.30
LONG: 125°04.62

END POSITION (GPS)
LAT: 50°28.45
LONG: 125°04.59

Comments: * Stopper may have pulled out of flask - bottles after acidification
280 particulate in sample

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: Bu1UTC DATE y/m/d: 00/05/03
CAST NUMBER: 20SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												uMol/kg	ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
								OXY		CHL		CI3		pH						
1	281			Bot		✓		✓											105.18	2.410
2	282			500		✓													109.82	2.516
3	283			400		✓													112.08	2.567
4	284			300		✓													117.10	2.683
5	285			250		✓													124.79	2.859
6	286			175		✓													142.61	3.267
7	287			175																
8	288			150		✓													153.04	3.506
9	289			125		✓													157.09	3.599
10	290			100		✓													162.71	3.727
11	291			75		✓													178.79	4.096
12	292			50		✓													206.67	4.734
13	293			30		✓													222.31	5.092
14	294			20		✓													253.40	5.805
15	295			10		✓													290.39	6.652
16	296			5		✓								✓					295.85	6.777
17	297			0		✓								✓					295.67	6.773
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: MR
CHECKED BY:Bottom Depth: 613Cast # down: 20Cast # up: 20

Time	LOC	UTC
Begin:		22:05
Bottom:		22:15
End:		22:42

START POSITION (GPS)
LAT: 50 22 29
LONG: 125 04 75BOTTOM POSITION (GPS)
LAT: 50 22 36
LONG: 125 04 73END POSITION (GPS)
LAT: 50 22 43
LONG: 125 04 65

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: KN 11

UTC DATE y/m/d: 00/05
CAST NUMBER: 21

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ mmol/kg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL	OXY	NUT	CHL	ALK	C13	TCO	TH17				
1	298			80T	210	✓		↑									137.21	3.143
2	299			175		✓											139.17	3.128
3	300			150		✓											146.90	3.365
4	301			125		✓											154.71	3.544
5	302			100		✓											155.04	3.552
6	303			75		✓											154.09	3.530
7	304			50		✓											151.95	3.481
8	305			30		✓											152.76	3.499
9	306			20		✓											159.28	3.649
10	307			10		✓											182.08	4.171
11	308			5		✓							✓				238.67	5.467
12	309			0		✓		↓					✓				393.30	9.010
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: EF
CHECKED BY: MR

Bottom Depth: 215

Cast # down: 21

Cast # up: 21

Time	LOC	UTC
Begin:		1404
Bottom:		1407
End:		1419

START POSITION (GPS)
LAT: 51°02.48
LONG: 125°33.98

BOTTOM POSITION (GPS)
LAT: 51°02.48
LONG: 125°33.96

END POSITION (GPS)
LAT: 51°02.44
LONG: 125°33.97

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: KN10

UTC DATE y/m/d: 00/05/04
CAST NUMBER: 22

SHIP: VEC TOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												O ₂ mmol/kg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
								OXY		CHL		C13								
1	310			Bot	321	✓													128.15	2.936
2	311			300		✓													129.45	2.965
3	312			250		✓													128.82	2.951
4	313			200		✓													131.63	3.015
5	314			175		✓													137.94	3.160
6	315			150		✓													152.05	3.483
7	316			125		✓													162.66	3.726
8	317			100		✓													167.22	3.831
9	318			75		✓													168.05	3.850
10	319			50		✓													154.24	3.533
11	320			30		✓													158.40	3.629
12	321			20		✓													192.58	4.412
13	322			10		✓													203.03	4.651
14	323			0		✓													278.32	8.666
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 330

Cast # down: 22
Cast # up: 22

Time	LOC	UTC
Begin:		1456
Bottom:		1502
End:		1517

START POSITION (GPS)
LAT: 50° 58' 65"
LONG: 125° 33' 71"

BOTTOM POSITION (GPS)
LAT: 50° 58' 63"
LONG: 125° 33' 79"

END POSITION (GPS)
LAT: 50° 58' 56"
LONG: 125° 33' 97"

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: KN 9

UTC DATE y/m/d: 00/05/04
CAST NUMBER: 23

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ mmol/kg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	324			BOT	408	/											126.44	2.896
2	325			300		/											132.21	3.029
3	326			250		/											133.09	3.049
4	327			200		/											134.02	3.070
5	328			175		/											143.65	3.291
6	329			150		/											165.57	3.793
7	330			125		/											179.23	4.106
8	331			100		/											170.30	3.901
9	332			75		/											172.55	3.953
10	333			50		/											170.01	3.894
11	334			30		/											196.55	4.502
12	335			20		/											212.50	4.868
13	336			10		/											215.70	4.941
14	337			0		/											381.52	8.740
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 416

Cast # down: 23
Cast # up: 23

Time	LOC	UTC
Begin:		1554
Bottom:		1600
End:		1616

START POSITION (GPS)
LAT: 50° 54' 32"
LONG: 125° 32' 82"

BOTTOM POSITION (GPS)
LAT: 50° 54' 33"
LONG: 125° 32' 83"

END POSITION (GPS)
LAT: 50° 54' 33"
LONG: 125° 32' 84"

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: KN 7UTC DATE y/m/d: 00/05/04
CAST NUMBER: 24SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ $\mu\text{mol/Kg}$	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	338			305	511	✓	✓	✓									127.53	2.921
2	339			500		✓	✓	✓									127.90	2.930
3	340			400		✓	✓	✓									132.04	3.025
4	341			300		✓	✓	✓									141.77	3.248
5	342			250		✓	✓	✓									153.88	3.525
6	343			200		✓											172.02	3.941
7	344			175		✓											186.88	4.281
8	345			150		✓											192.53	4.410
9	346			125		✓											198.00	4.558
10	347			100		✓											*194.81	4.463
11	348			75		✓											200.78	4.599
12	349			50		✓											200.27	4.588
13	350			30		✓											221.60	5.076
14	351			20		✓											222.13	5.088
15	352			10		✓											240.45	5.508
16	353			0		✓											384.26	8.802
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: NRBottom Depth: 520Cast # down: 24Cast # up: 24

Time	LOC	UTC
Begin:		1721
Bottom:		1729
End:		1749

START POSITION (GPS)
LAT: 50° 48.13
LONG: 125° 37.29BOTTOM POSITION (GPS)
LAT: 50° 48.14
LONG: 125° 37.31END POSITION (GPS)
LAT: 50° 48.18
LONG: 125° 37.38Comments: #347: small air bubble (white acid in); corrected in sample.
#351: titrated phase; several more counts

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: KN 5UTC DATE y/m/d: 00/05/04
CAST NUMBER: 25SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	O ₂
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				mmol/kg	ml/l
1	354			BOT	362	✓			✓								136.74	3.132
2	355			BOT	362	✓		✓										
3	356			300		✓											142.98	3.275
4	357			250		✓											165.31	3.787
5	358			200		✓											205.68	4.712
6	359			175		✓												
7	360			150		✓											213.69	4.895
8	361			125		✓											216.98	4.971
9	362			100		✓											213.03	4.880
10	363			75		✓											209.29	4.794
11	364			50		✓											203.36	4.658
12	365			30		✓											217.00	4.971
13	366			20		✓											230.02	5.269
14	367			10		✓				✓							243.00	5.567
15	368			5		✓				✓			✓				247.65	5.673
16	369			0		✓		✓		✓			✓				261.62	5.993
17	370			0		✓												
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: ML
CHECKED BY:Bottom Depth: 391Cast # down: 25Cast # up: 25

Time	LOC	UTC
Begin:		1855
Bottom:		1900
End:		1919

START POSITION (GPS)	
LAT:	50° 41.61
LONG:	125° 47.11

BOTTOM POSITION (GPS)	
LAT:	50° 41.61
LONG:	125° 47.20

END POSITION (GPS)	
LAT:	50° 41.61
LONG:	125° 47.44

Comments: #361 copypaste in sample
depths a bit confused 250-150 m

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: KN4UTC DATE y/m/d: 00/05/04
CAST NUMBER: 27SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O_2 mmol/kg	O_2 ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	371			BOT	440	/											151.80	3.477
2	372			400		/											185.91	3.572
3	373			300		/											166.49	3.814
4	374			250		/											187.03	4.284
5	375			200		/											224.83	5.150
6	376			175		/											227.85	5.220
7	377			150		/											226.85	5.197
8	378			125		/											227.75	5.217
9	379			100		/											*225.70	5.170
10	380			75		/											230.34	5.277
11	381			50		/											232.31	5.322
12	382			30		/											239.85	5.494
13	383			20		/											241.48	5.532
14	384			10		/											243.24	5.572
15	385			0		/											267.88	6.137
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: * bottled no labelENTERED BY: EF
CHECKED BY: MRBottom Depth: 452Cast # down: 27Cast # up: 27

Time	LOC	UTC
Begin:		2036
Bottom:		2044
End:		2103

START POSITION (GPS)		
LAT:	50° 40'	86
LONG:	125° 55'	99

BOTTOM POSITION (GPS)		
LAT:	50° 40'	84
LONG:	125° 56'	04

END POSITION (GPS)		
LAT:	50° 40'	84
LONG:	125° 56'	09

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: KN 2

UTC DATE y/m/d: 00/05/04
CAST NUMBER: 28

SHIP: VERTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	O ₂
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				μmol/kg	ml/l
1	386			Bot	171	✓											238.57	5.465
2	387			150		✓											238.44	5.462
3	388			125		✓											240.45	5.508
4	389			100		✓											244.13	5.592
5	390			75		✓											247.22	5.663
6	391			50		✓											254.71	5.835
7	392			30		✓											261.24	5.984
8	393			20		✓											264.92	6.069
9	394			10		✓											277.89	6.366
10	395			0		✓											279.83	6.410
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: MR
CHECKED BY:

Bottom Depth: 181

Cast # down: 28
Cast # up: 28

Time	LOC	UTC
Begin:		2206
Bottom:		2210
End:		2222

START POSITION (GPS)
LAT: 50 39 30
LONG: 126 11 24

BOTTOM POSITION (GPS)
LAT: 50 39 30
LONG: 126 11 26

END POSITION (GPS)
LAT: 50 39 33
LONG: 126 11 32

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: Tr C1

UTC DATE y/m/d: 00/05/04
CAST NUMBER: 29

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				mmol/kg	ml/l
1	396			80T		✓	✓										218.45	5.004
2	397			250		✓											218.78	5.012
3	398			200		✓											219.01	5.017
4	399			175		✓											220.10	5.042
5	400			150		✓											220.72	5.056
6	401			125		✓											223.46	5.118
7	402			100		✓											226.33	5.185
8	403			75		✓											235.38	5.392
9	404			50		✓											247.05	5.659
10	405			30		✓											263.70	6.041
11	406			20		✓											274.72	6.293
12	407			10		✓											288.88	6.617
13	408			0		✓											302.84	6.937
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: ZF
CHECKED BY:

Bottom Depth: 286

Cast # down: 29

Cast # up: 29

Time	LOC	UTC
Begin:		23 12
Bottom:		23 17
End:		23 35

START POSITION (GPS)		
LAT:	50	43 60
LONG:	126	10 95

BOTTOM POSITION (GPS)		
LAT:	50	43 61
LONG:	126	10 97

END POSITION (GPS)		
LAT:	50	43 69
LONG:	126	11 00

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: KN 1UTC DATE y/m/d: 00/05/05
CAST NUMBER: 30SHIP: 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/P			gMol/kg	ml/l
1	409			805 ²⁵⁶		✓											234.77	5.378
2	410			200		✓											235.47	5.394
3	411			175		✓											237.83	5.448
4	412			150		✓											238.58	5.465
5	413			125		✓											241.47	5.532
6	414			100		✓											246.17	5.639
7	415			75		✓											250.86	5.747
8	416			50		✓											254.20	5.823
9	417			30		✓											269.66	6.177
10	418			20		✓											280.18	6.418
11	419			10		✓											296.78	6.799
12	420			5		✓								✓			302.33	6.926
13	421			0		✓								✓			302.17	6.922
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: ET
CHECKED BY:Bottom Depth: 245Cast # down: 30Cast # up: 30

Time	LOC	UTC
Begin:		00:55
Bottom:		00:59
End:		01:15

START POSITION (GPS)
LAT: 50 38 05
LONG: 126 25 59BOTTOM POSITION (GPS)
LAT: 50 38 06
LONG: 126 25 61END POSITION (GPS)
LAT: 50 38 15
LONG: 126 25 07

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: Port Elizabeth

UTC DATE y/m/d: 00/05/05
CAST NUMBER: 31

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	422			BOT	40	✓												
2	423			BOT	40	✓											250.98	5.749
3	424			35		✓											245.80	5.631
4	425			30		✓											248.01	5.681
5	426			25		✓											257.29	5.894
6	427			20		✓											265.59	6.084
7	428			15		✓											277.81	6.364
8	429			10		✓											292.64	6.704
9	430			5		✓								✓			359.67	8.239
10	431			0		✓								✓			381.28	8.734
11	432			0		✓												
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: EF
CHECKED BY:

Bottom Depth: 50

Cast # down: 31
Cast # up: 31

Time	LOC	UTC
Begin:		02:05
Bottom:		02:06
End:		02:15

START POSITION (GPS)
LAT: 50 40 37
LONG: 126 28 82

BOTTOM POSITION (GPS)
LAT: 50 40 37
LONG: 126 28 81

END POSITION (GPS)
LAT: 50 40 39
LONG: 126 28 77

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: KNO

UTC DATE y/m/d: 00/05/05
CAST NUMBER: 32

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	433			130T	52	✓											247.51	5.670
2	434			30		✓											246.14	5.638
3	435			20		✓											263.79	6.043
4	436			10		✓											271.06	6.209
5	437			0		✓											278.26	6.374
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: ET
CHECKED BY:

Bottom Depth: 62

Cast # down: 32
Cast # up: 32

Time	LOC	UTC
Begin:		03:13
Bottom:		03:14
End:		03:19

START POSITION (GPS)
LAT: 50 38 19
LONG: 126 35 28

BOTTOM POSITION (GPS)
LAT: 50 38 18
LONG: 126 35 35

END POSITION (GPS)
LAT: 50 38 14
LONG: 126 35 50

Comments:

ROSETTE LOG

MISSION ID: 00-09
STATION NAME: QCS 1

UTC DATE y/m/d: 00/05/05
CAST NUMBER: 33

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO	DO
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				μMol/kg	me/l
								OXY		CHL		C13						
1	438			BOT-10	150.	✓											213.26	4.885
2	439			125		✓											219.93	5.038
3	440			100		✓											228.04	5.224
4	441			75		✓											232.08	5.316
5	442			50		✓											241.99	5.543
6	443			30		✓											243.73	5.583
7	444			20		✓											252.29	5.779
8	445			10		✓											254.27	5.825
9	446			0		✓											254.71	5.835
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: EF
CHECKED BY:

Bottom Depth: 158

Cast # down: 33
Cast # up: 33

Time	LOC	UTC
Begin:		04:12
Bottom:		04:15
End:		04:26

START POSITION (GPS)
LAT: 50 40 10
LONG: 126 46 28

BOTTOM POSITION (GPS)
LAT: 50 40 15
LONG: 126 46 27

END POSITION (GPS)
LAT: 50 40 30
LONG: 126 46 22

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: Carrie BayUTC DATE y/m/d: 2000/05/05
CAST NUMBER: 34

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ mmol/kg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL	OXY	NUT	CHL	ALK	C13	TCO	PHYT				
1	447			Bot	30	✓											259.64	5.948
2	448			30		✓		✓										
3	449			25		✓											258.10	5.912
4	450			20		✓											259.56	5.946
5	451			15		✓											260.58	5.969
6	452			10		✓											*261.65	5.994
7	453			5		✓								✓			261.58	5.992
8	454			0		✓		✓						✓			263.96	6.047
9	455			0		✓												
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: #452 - air bubble before read in

ENTERED BY: EF
CHECKED BY: WR

Bottom Depth: 35

Cast # down: 34

Cast # up: 34

Time	LOC	UTC
Begin:		1707
Bottom:		1708
End:		1712

START POSITION (GPS)	
LAT:	50 41.48
LONG:	126 37.55

BOTTOM POSITION (GPS)	
LAT:	50 41.48
LONG:	126 37.55

END POSITION (GPS)	
LAT:	50 41.46
LONG:	126 37.54

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: FLSUTC DATE y/m/d: 00/05/05
CAST NUMBER: 35SHIP: VICTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ mmol/kg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT	ALK	TCO							
1	456			Bot	362	✓		✓									219.56	5.030
2	457			300		✓											219.80	5.035
3	458			250		✓											220.20	5.044
4	459			200		✓											224.79	5.149
5	460			175		✓											226.08	5.179
6	461			150		✓											229.62	5.260
7	462			125		✓											241.94	5.542
8	463			100		✓											*252.61	5.787
9	464			75		✓											257.05	5.888
10	465			50		✓											261.46	5.989
11	466			30		✓											263.22	6.030
12	467			20		✓											263.39	6.034
13	468			10		✓											271.89	6.228
14	469			0		✓		✓									292.23	6.694
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: *#463 - debris in sample

ENTERED BY: MR
CHECKED BY: MRBottom Depth: 372Cast # down: 35Cast # up: 35

Time	LOC	UTC
Begin:		1831
Bottom:		1836
End:		1852

START POSITION (GPS)	
LAT:	50° 46.63
LONG:	126° 40.75

BOTTOM POSITION (GPS)	
LAT:	50° 46.62
LONG:	126° 40.72

END POSITION (GPS)	
LAT:	50° 46.55
LONG:	126° 40.57

ROSETTE LOG

MISSION ID: 2000-03
STATION NAME: BURDWOOD GroupUTC DATE y/m/d: 00/05/05
CAST NUMBER: 36SHIP: VEZTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ µmol/kg	O ₂ mL/l
					Trip pressure	Confirmed Salinity	SAL		NUT	ALK	TCO							
1	470			BOT	150	✓		✓									231.73	5.308
2	471			125		✓											235.66	5.399
3	472			100		✓											239.94	5.496
4	473	1269		75		✓											*244.91	5.610
5	474			50		✓											252.95	5.794
6	475			30		✓											253.15	5.799
7	476			25		✓											254.02	5.819
8	477			20		✓											261.51	5.991
9	478			15		✓											274.07	6.278
10	479			10		✓											278.11	6.371
11	480			5		✓											281.21	6.442
12	481			0		✓											285.73	6.545
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: #473 (flask 1269): stopped pulled out of flask.

ENTERED BY: MRCHECKED BY: MRBottom Depth: 158Cast # down: 36Cast # up: 36

Time	LOC	UTC
Begin:		1948
Bottom:		1952
End:		2004

START POSITION (GPS)	
LAT:	50° 47.71
LONG:	126° 30.09

BOTTOM POSITION (GPS)	
LAT:	50° 47.71
LONG:	126° 30.10

END POSITION (GPS)	
LAT:	50° 47.71
LONG:	126° 30.11

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: TRC 2

UTC DATE y/m/d: 00/05/05
CAST NUMBER: 37

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ mmol/kg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	482			BOT	295	✓		✓									223.75	5.125
2	483			250		✓											222.01	5.086
3	484			200		✓											223.00	5.108
4	485			175		✓											222.49	5.097
5	486			150		✓											227.37	5.209
6	487			125		✓											227.65	5.215
7	488			100		✓											230.71	5.285
8	489			75		✓											247.03	5.659
9	490			50		✓											271.39	6.217
10	491			30		✓											274.29	6.283
11	492			20		✓											293.80	6.730
12	493			10		✓											318.29	7.291
13	494			0		✓		✓									369.59	8.466
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 307

Cast # down: 37

Cast # up: 37

Time	LOC	UTC
Begin:		2119
Bottom:		2125
End:		2142

START POSITION (GPS)
LAT: 50°49'73
LONG: 126°13'59

BOTTOM POSITION (GPS)
LAT: 50°49'74
LONG: 126°13'64

END POSITION (GPS)
LAT: 50°49'81
LONG: 126°13'75

Comments: #485 - added ~ 0.5 extra H₂O
#491 - debris in sample

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: SIR EDMOND RAY

UTC DATE y/m/d: 00/05/05
CAST NUMBER: 38

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				mmol/kg	ml/l
1	495			Bot	70	✓											207.62	4.756
2	496			50		✓											212.28	4.863
3	497			30		✓											237.65	5.444
4	498			25		✓											240.48	5.509
5	499			20		✓											243.86	5.586
6	500			15		✓											248.87	5.701
7	501			10		✓											264.51	6.059
8	502			5		✓											298.04	6.827
9	503			0		✓											366.26	8.390
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY:

Bottom Depth: 80

Cast # down: 38

Cast # up: 38

Time	LOC	UTC
Begin:		23:23
Bottom:		23:24
End:		23:33

START POSITION (GPS)
LAT: 50 49 96
LONG: 126 35 98

BOTTOM POSITION (GPS)
LAT: 50 49 96
LONG: 126 35 98

END POSITION (GPS)
LAT: 50 49 97
LONG: 126 35 99

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: KIN 3UTC DATE y/m/d: 00/05/06
CAST NUMBER: 39SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	O ₂
					Trip pressure	Confirmed Salinity	SAL		NUT	ALK	TCO						mmol/kg	ml/l
1	504			BOT		✓											96.03	2.200
2	505			200	190	✓		✓									88.77	2.033
3	506			175		✓												
4	507			150		✓											135.92	3.114
5	508			125		✓											150.10	3.428
6	509			100		✓											165.41	3.789
7	510			75		✓											170.79	3.912
8	511			50		✓											177.31	4.062
9	512			30		✓											202.60	4.641
10	513			20		✓											215.11	4.928
11	514			10		✓											247.56	5.671
12	515			5		✓									✓		278.60	6.382
13	516			0		✓									✓		373.21	8.549
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: EE

CHECKED BY:

Bottom Depth: 201Cast # down: 39Cast # up: 39

Time LOC UTC

Begin: 01:29Bottom: 01:33End: 01:47

START POSITION (GPS)

LAT: 50 54 87LONG: 126 14 77

BOTTOM POSITION (GPS)

LAT: 50 54 87LONG: 126 14 77

END POSITION (GPS)

LAT: 50 54 86LONG: 126 14 84

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: KIN 1

UTC DATE y/m/d: 00/10/06
CAST NUMBER: 40

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				μmol/kg	ml/l
1	517			80T	467	✓		↑	↑								105.78	2.423
2	518			400		✓											102.65	2.351
3	519			300		✓											108.48	2.485
4	520			250		✓					2.539		.453				* 3199	0.733
5	521			200		✓											113.95	2.610
6	522			175		✓											151.94	2.481
7	523			150		✓											213.15	4.883
8	524			125		✓											215.64	4.940
9	525			100		✓											226.10	5.179
10	526			75		✓											206.47	4.730
11	527			50		✓											192.14	4.401
12	528			30		✓											227.85	5.220
13	529			20		✓											243.48	5.578
14	530			10		✓				✓							254.18	5.823
15	531			5		✓				✓			✓				279.32	6.398
16	532			0		✓			↓	↓	✓		✓				305.88	7.007
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: EF
CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0311
Bottom:		
End:		

START POSITION (GPS)
LAT: 50 53 54
LONG: 126 34 62

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: #520 - very odd titration - .908 ml dispensed, end point 3.133 ml. Suddenly dropped to 0 on colorimeter, but looked OK after titration was finished.

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: R05

UTC DATE y/m/d: 00/05/06
CAST NUMBER: 42

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ $\mu\text{mol/kg}$	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	533			Bot	92	✓		✓									7.23	.166
2	534			75		✓											18.71	.429
3	535			50		✓											93.95	2.152
4	536			30		✓											140.38	3.216
5	537			20		✓											354.58	8.123
6	538			10		✓												
7	539			5		✓							✓				385.05	8.820
8	540			0		✓							✓				373.80	8.563
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: EF

Bottom Depth: 101

Cast # down: 42

Cast # up: 42

Time	LOC	UTC
Begin:		18:
Bottom:		18.28
End:		18.37

START POSITION (GPS)
LAT: 52 27 97
LONG: 127 44 89

BOTTOM POSITION (GPS)
LAT: 52 27 97
LONG: 127 44 88

END POSITION (GPS)
LAT: 52 27 97
LONG: 124 44 85

Comments:

ROSETTE LOG

MISSION ID: 2000-03
STATION NAME: R04

UTC DATE y/m/d: 00/05/06
CAST NUMBER: 43

SHIP: VERTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				mmol/kg	ml/l
1	541			Bot	130	✓											120.62	2.763
2	542			125		✓											110.27	2.526
3	543			100		✓											157.95	3.618
4	544			75		✓											169.02	3.872
5	545			50		✓											187.18	4.288
6	546			30		✓											224.84	5.150
7	547			20		✓											256.36	5.873
8	548			10		✓											310.26	7.107
9	549			0		✓											369.52	8.350
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 136

Cast # down: 43
Cast # up: 43

Time	LOC	UTC
Begin:		1924
Bottom:		1927
End:		1937

START POSITION (GPS)
LAT: 52° 29' 80"
LONG: 127° 50' 64"

BOTTOM POSITION (GPS)
LAT: 52° 29' 79"
LONG: 127° 50' 61"

END POSITION (GPS)
LAT: 52° 29' 77"
LONG: 127° 50' 55"

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: R03UTC DATE y/m/d: 00/05/06
CAST NUMBER: 44SHIP: VEZTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ Mmd/kg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	550			Bot	163	✓		✓	✓								224.83	5.15
2	551			150		✓		✓	✓								225.71	5.171
3	552			125		✓		✓	✓								219.65	5.032
4	553			100		✓		✓	✓								208.41	4.774
5	554			75		✓		✓	✓								188.20	4.311
6	555			50		✓		✓	✓								207.86	4.762
7	556			30		✓		✓	✓								242.73	5.560
8	557			20		✓		✓	✓								267.61	6.130
9	558			10		✓		✓	✓	✓							290.08	6.645
10	559			5		✓		✓	✓	✓			✓				326.93	7.489
11	560			0				✓	✓	✓			✓				358.60	8.227
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: MR
CHECKED BY: MRBottom Depth: 172Cast # down: 44Cast # up: 44

Time	LOC	UTC
Begin:		2011
Bottom:		2014
End:		2025

START POSITION (GPS)
LAT: 52° 27.09
LONG: 127° 54.95BOTTOM POSITION (GPS)
LAT: 52° 27.11
LONG: 127° 54.90END POSITION (GPS)
LAT: 52° 27.17
LONG: 127° 54.82

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: R02

UTC DATE y/m/d: 00/05/06
CAST NUMBER: 45

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				Mmol/kg	ml/l
1	561			Bot	122	✓		✓									218.17	4.998
2	562			100		✓											218.16	4.998
3	563			75		✓											212.25	4.862
4	564			50		✓											237.64	5.444
5	565			30		✓											265.36	6.079
6	566			20		✓											277.81	6.364
7	567			10		✓											295.64	6.772
8	568			0		✓		✓									369.71	8.469
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 125

Cast # down: 45

Cast # up: 45

Time	LOC	UTC
Begin:		2105
Bottom:		2107
End:		2116

START POSITION (GPS)
LAT: 52°22.69
LONG: 127°52.57

BOTTOM POSITION (GPS)
LAT: 52°22.68
LONG: 127°52.53

END POSITION (GPS)
LAT: 52°22.65
LONG: 127°52.42

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: R01

UTC DATE y/m/d: 00/05/06
CAST NUMBER: 46

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	
					Trip pressure	Confirmed Salinity	SAL		NUT	ALK	TCO						mmol/kg	ml/l
1	569			Bot		✓		✓									221.39	5.072
2	570			175		✓											221.85	5.082
3	571			150		✓											222.39	5.095
4	572			125		✓											215.17	4.929
5	573			100		✓											209.58	4.801
6	574			75		✓											243.76	5.584
7	575			50		✓											267.16	6.120
8	576			30		✓											287.00	6.575
9	577			20		✓											290.96	6.665
10	578			10		✓											306.86	7.029
11	579			5		✓						✓					322.76	7.394
12	580			0				✓				✓					335.00	7.674
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 207

Cast # down: 46
Cast # up: 46

Time	LOC	UTC
Begin:		2147
Bottom:		2151
End:		2203

START POSITION (GPS)
LAT: 52°19' 91
LONG: 127°156.06

BOTTOM POSITION (GPS)
LAT: 52°19' 92
LONG: 127°56.07

END POSITION (GPS)
LAT: 52°19' 94
LONG: 127°56.11

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: MCUTC DATE y/m/d: 00/05/07
CAST NUMBER: 47SHIP: VLZTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ mmol/kg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	581			800	610	✓	✓	✓	✓								72.30	1.656
2	582			600		✓	✓	✓	✓								74.18	1.699
3	583			500		✓	✓	✓	✓								74.51	1.707
4	584			400		✓	✓	✓	✓								72.49	1.661
5	585			300		✓			✓								69.89	1.601
6	586			250		✓			✓								66.31	1.519
7	587			200		✓			✓								63.07	1.445
8	588			175		✓			✓								62.55	1.433
9	589			150		✓			✓								62.19	1.585
10	590			125		✓			✓								90.99	2.084
11	591			100		✓			✓								139.19	3.189
12	592			75		✓			✓								172.53	3.952
13	593			50		✓			✓								220.23	5.045
14	594			30		✓			✓								246.69	5.651
15	595			20		✓			✓								255.14	5.845
16	596			10		✓			✓	✓							277.47	6.356
17	597			5		✓			✓	✓				✓			340.57	7.802
18	598			0		✓			✓	✓	✓			✓			430.03	9.851
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: MIR
CHECKED BY: EFBottom Depth: 621Cast # down: 47Cast # up: 47

Time	LOC	UTC
Begin:		
Bottom:		<u>03:46</u>
End:		<u>04:12</u>

START POSITION (GPS)
LAT: 52 42 58
LONG: 128 07 77BOTTOM POSITION (GPS)
LAT: 52 42 58
LONG: 128 07 77END POSITION (GPS)
LAT: 52 42 72
LONG: 128 09 61

ROSETTE LOG

MISSION ID: 2010-09
STATION NAME: MU1UTC DATE y/m/d: 00/05/07
CAST NUMBER: 49SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO	DO
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				µMol/kg	me/l
1	599	84		Bot	300	✓											109.68	2.513
2	600	255		250		✓											110.31	2.527
3	601	337		200		✓											111.19	2.547
4	602	364		175		✓											112.07	2.567
5	603	392		150		✓											115.73	2.651
6	604	486		125		✓											151.47	3.470
7	605	443		100		✓											184.58	4.228
8	606	534		75		✓											212.53	4.868
9	607	535		50		✓											226.21	5.182
10	608	572		30		✓											242.47	5.554
11	609	588		20		✓											253.52	5.807
12	610	632		10		✓											301.88	6.915
13	611	641		5		✓											348.85	7.991
14	612	650		0		✓											395.47	9.059
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: EF
CHECKED BY:Bottom Depth: 311Cast # down: 49Cast # up: 49

Time	LOC	UTC
Begin:		0540
Bottom:		0545
End:		0602

START POSITION (GPS)		
LAT:	52	52 57
LONG:	128	08 91

BOTTOM POSITION (GPS)		
LAT:	52	52 56
LONG:	128	08 89

END POSITION (GPS)		
LAT:	52	52 51
LONG:	128	08 76

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: D010UTC DATE y/m/d: 00/05/07
CAST NUMBER: 50SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO		pH/°C		mmol/kg	mL/L
1	613			BOT	145	/											157.69	3.612
2	614			125		/											164.18	3.761
3	615			100		/											163.82	3.753
4	616			75		/											222.608	5.101
5	617			50		/											246.64	5.650
6	618			30		/											251.91	5.771
7	619			20		/											267.49	6.128
8	620			10		/											283.05	6.484
9	621			5		/					8.496			✓	1.519		371.60	8.512
10	622			0		/								✓			392.80	8.540
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: #621 - long titration

ENTERED BY: EF
CHECKED BY: MRBottom Depth: 153Cast # down: 50Cast # up: 50

Time	LOC	UTC
Begin:		1552
Bottom:		1555
End:		1604

START POSITION (GPS)
LAT: 53 58.52
LONG: 128 40.65BOTTOM POSITION (GPS)
LAT: 53 58.52
LONG: 128 40.66END POSITION (GPS)
LAT: 53 58.53
LONG: 128 40.71

CRUISE NO: 2000-09
STATION NO: 509

UTC DATE: 00/05/07
HYDRO No.: 51

[illegible]

ENTERED BY:	MR
CHECKED BY:	MR

Bottom Depth:	246
Cast No:	51

Time	LOC	UTC
Begin:		16 38
Bottom:		16 42
End:		16 54

BEGIN POSITION (GPS)	
LAT:	53° 54.31
LONG:	128° 44.15

BOTTOM POSITION (GPS)	
LAT:	53° 54' 27"
LONG:	128° 44' 24"

END POSITION (GPS)
LAT: 53° 54' 17"
LONG: 128° 44' 49"

[illegible]

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: D0 B

UTC DATE y/m/d: 00/05/07
CAST NUMBER: 52

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				mmol/kg	ml/l
1	635			Bot	310	✓		✓									129.42	2.965
2	636			300		✓											130.91	2.999
3	637			250		✓											170.33	3.902
4	638			200		✓											175.92	4.030
5	639			175		✓											181.49	4.158
6	640			150		✓											190.02	4.353
7	641			125		✓											191.04	4.376
8	642			100		✓											195.14	4.420
9	643			75		✓											238.26	5.458
10	644			50		✓											241.12	5.524
11	645			30		✓											249.76	5.721
12	646			20		✓											258.89	5.926
13	647			10		✓											288.14	6.601
14	648			0		✓											382.37	8.759
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 317

Cast # down: 52
Cast # up: 52

Time	LOC	UTC
Begin:		1723
Bottom:		1728
End:		1745

START POSITION (GPS)
LAT: 53 50.72
LONG: 128 47.97

BOTTOM POSITION (GPS)
LAT: 53 50.70
LONG: 128 48.02

END POSITION (GPS)
LAT: 53 50.66
LONG: 128 48.10

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: DO 7

UTC DATE y/m/d: 00/05/07
CAST NUMBER: 53

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	
					Trip pressure	Confirmed Salinity	SAL		NUT	ALK	TCO						mmol/kg	ml/l
1	649			Bot	374	✓		✓	✓								118.43	2.713
2	650			300		✓			✓								131.70	3.017
3	651			250		✓			✓								161.87	3.708
4	652			200		✓			✓								177.56	4.068
5	653			175		✓			✓								188.79	4.325
6	654			150		✓			✓								182.09	4.171
7	655			125		✓			✓								192.15	4.402
8	656			100		✓			✓								220.12	5.042
9	657			75		✓			✓								245.14	5.616
10	658			50		✓			✓								248.38	5.690
11	659			30		✓			✓								249.57	5.717
12	660			20		✓			✓								257.67	5.902
13	661			10		✓			✓	✓							292.45	6.699
14	662			5		✓			✓	✓			✓				356.77	8.173
15	663			0		✓		✓	✓	✓			✓				383.44	8.784
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: EF/ML

Bottom Depth: 387

Cast # down: 53

Cast # up: 53

Time	LOC	UTC
Begin:		1818
Bottom:		1825
End:		1843

START POSITION (GPS)
LAT: 53° 47.32
LONG: 128° 53.21

BOTTOM POSITION (GPS)
LAT: 53° 47.32
LONG: 128° 53.23

END POSITION (GPS)
LAT: 53° 47.31
LONG: 128° 53.28

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: D06UTC DATE y/m/d: 00/05/07
CAST NUMBER: 55SHIP: VECTORtwo
entries
for #665

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ μmol/kg	O ₂ mg/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	664			Bot	366	✓											131.79	3.019
2	665			300		✓							3.398				*122.36	2.803
3	666			250		✓											179.58	4.114
4	667			200		✓											187.30	4.291
5	668			175		✓											193.92	4.442
6	669			150		✓											190.37	4.361
7	670			125		✓											192.68	4.414
8	671			100		✓											213.42	4.889
9	672			75		✓											244.54	5.602
10	673			50		✓											246.64	5.650
11	674			30		✓											254.91	5.839
12	675			20		✓											262.00	6.002
13	676			10		✓											277.72	6.362
14	677			0		✓											359.63	8.238
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: #665 - colorimetric measurement? read 2100 in MO. Titrated twice, first time added .04 ml thio.

ENTERED BY: MR
CHECKED BY: MRBottom Depth: 374Cast # down: 55Cast # up: 55

Time	LOC	UTC
Begin:		1951
Bottom:		1957
End:		2014

START POSITION (GPS)		
LAT:	53	44 31
LONG:	129	01 41

BOTTOM POSITION (GPS)		
LAT:	53	44 29
LONG:	129	01 47

END POSITION (GPS)		
LAT:	53	44.28
LONG:	129	01.57

.094

.447

.541

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: DO 5

UTC DATE y/m/d: 00/05/07
CAST NUMBER: 56

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ $\mu\text{mol/kg}$	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	678			BOT		✓											132.69	3.040
2	679			300		✓											149.16	3.417
3	680			250		✓											176.75	4.037
4	681			200		✓											188.60	4.320
5	682			175		✓											192.80	4.417
6	683			150		✓											195.67	4.482
7	684			125		✓											199.32	4.566
8	685			100		✓											229.97	5.268
9	686			75		✓											241.54	5.533
10	687			50		✓											249.07	5.705
11	688			30		✓											250.99	5.750
12	689			20		✓											260.72	5.972
13	690			10		✓											296.50	6.792
14	691			0		✓											347.39	7.958
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 400

Cast # down: 56

Cast # up: 56

Time	LOC	UTC
Begin:		2051
Bottom:		2058
End:		2115

START POSITION (GPS)
LAT: 53° 40.52
LONG: 129° 07.27

BOTTOM POSITION (GPS)
LAT: 53° 40.52
LONG: 129° 07.31

END POSITION (GPS)
LAT: 53° 40.52
LONG: 129° 07.34

Comments: *681 - copepod in sample

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: DO 4UTC DATE y/m/d: 00/05/07
CAST NUMBER: 57SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ µmol/kg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	692			BOT	313	✓											173.17	3.967
2	693			250		✓											192.29	4.405
3	694			200		✓											197.53	4.525
4	695			175		✓												
5	696			150		✓											203.86	4.670
6	697			125		✓											215.57	4.938
7	698			100		✓											242.25	5.549
8	699			75		✓											243.09	5.569
9	700			50		✓											251.88	5.770
10	701			30		✓											260.80	5.974
11	702			20		✓											265.71	6.087
12	703			10		✓											287.79	6.593
13	704			0		✓											392.01	8.980
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: ETBottom Depth: 323Cast # down: 57Cast # up: 57

Time	LOC	UTC
Begin:		21:49
Bottom:		21:53
End:		22:11

START POSITION (GPS)		
LAT:	53	37 45
LONG:	129	12 35

BOTTOM POSITION (GPS)		
LAT:	53	37 46
LONG:	129	12 35

END POSITION (GPS)		
LAT:	53	37 60
LONG:	129	12 27

Comments: Oxy: All File 00090056

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: DO3UTC DATE y/m/d: 00/05/07
CAST NUMBER: 58SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	O ₂
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				mmol/kg	ml/l
1	704			807	335	✓											153.14	3.508
2	706			300		✓											155.12	3.553
3	707			250		✓											190.80	4.371
4	708			200		✓											197.45	4.523
5	709			175		✓											202.28	4.634
6	710			150		✓											207.63	4.756
7	711			125		✓											213.53	4.891
8	712			100		✓											231.51	5.303
9	713			75		✓											244.90	5.610
10	714			50		✓											256.40	5.874
11	715			30		✓											263.97	6.047
12	716			20		✓											273.14	6.257
13	717			10		✓											307.14	7.036
14	718			0		✓											406.89	9.206
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: EF
CHECKED BY:Bottom Depth: 347Cast # down: 58Cast # up: 58

Time	LOC	UTC
Begin:		<u>22 57</u>
Bottom:		<u>23 04</u>
End:		<u>23 24</u>

START POSITION (GPS)		
LAT:	<u>53 31</u>	<u>39</u>
LONG:	<u>129 12</u>	<u>74</u>

BOTTOM POSITION (GPS)		
LAT:	<u>53 31</u>	<u>38</u>
LONG:	<u>129 12</u>	<u>75</u>

END POSITION (GPS)		
LAT:	<u>53 31</u>	<u>41</u>
LONG:	<u>129 12</u>	<u>82</u>

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: DO 2UTC DATE y/m/d: 00/05/07
CAST NUMBER: 59SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ mmol/kg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	719			607	395	✓											168.86	3.868
2	720			300		✓											177.37	4.063
3	721			250		✓											189.22	4.335
4	722			200		✓											201.76	4.622
5	723			175		✓											200.78	4.599
6	724			150		✓											205.20	4.701
7	725			125		✓											217.97	4.993
8	726			100		✓											236.79	5.424
9	727			75		✓											241.50	5.532
10	728			50		✓											236.66	5.421
11	729			30		✓											264.88	6.068
12	730			20		✓											269.31	6.169
13	731			10		✓											283.58	6.496
14	732			0		✓											389.36	8.919
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: EFCHECKED BY: MRBottom Depth: 402Cast # down: 59Cast # up: 59

Time LOC UTC

Begin: 2359Bottom: 0006

End:

START POSITION (GPS)

LAT: 53° 26.80LONG: 129° 12.59

BOTTOM POSITION (GPS)

LAT: 53° 26.82LONG: 129° 12.61

END POSITION (GPS)

LAT: 53° 27.02LONG: 129° 12.63

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: D01

UTC DATE y/m/d: 00/05/08
CAST NUMBER: 60

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	O ₂
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				mmol/kg	ml/l
1	733			807	452	✓											186.68	4.276
2	734			400		✓											186.38	4.269
3	735			300		✓											183.95	4.214
4	736			250		✓											193.70	4.437
5	737			200		✓											201.60	4.618
6	738			175		✓											209.95	4.809
7	739			150		✓											216.92	4.969
8	740			125		✓											225.23	5.160
9	741			100		✓											235.96	5.405
10	742			75		✓											260.65	5.971
11	743			50		✓											270.89	6.205
12	744			30		✓											255.24	5.847
13	745			20		✓											275.37	6.308
14	746			10		✓											321.01	7.354
15	747			5		✓											417.66	9.568
16	748			0		✓											402.66	9.224
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: EF
CHECKED BY:

Bottom Depth: 465

Cast # down: 60
Cast # up: 60

Time	LOC	UTC
Begin:		01:05
Bottom:		01:12
End:		01:33

START POSITION (GPS)
LAT: 53 22 31
LONG: 129 11 76

BOTTOM POSITION (GPS)
LAT: 53 22 30
LONG: 129 11 76

END POSITION (GPS)
LAT: 53 22 26
LONG: 129 11 47

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: Go 1UTC DATE y/m/d: 00/05/08
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					
								OXY		CHL		CI3						
1	749			BOT	481	✓	✓	↑									179.96	4.122
2	750			400		✓	✓										169.78	3.889
3	751			300		✓											169.90	3.892
4	752			250		✓											169.85	3.891*
5	753			200		✓							200 = 99.7%				179.15	3.989
6	754			175		✓							99.7				177.66	4.020
7	755			150		✓							99.6				196.01	4.490
8	756			125		✓							99.6				209.0	4.790
9	757			100		✓							auto zero 100%				231.23	5.297
10	758			75		✓											240.39	5.507
11	759			50		✓											235.83	5.402
12	760			30		✓											249.34	5.712
13	761			20		✓											260.92	5.978
14	762			10		✓											287.61	6.588
15	763			0		✓											362.70	8.308
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: 752-Columbus - not re setting to 2000 - 99.8

ENTERED BY: EF
CHECKED BY:Bottom Depth: 486Cast # down: 61Cast # up: 61

Time	LOC	UTC
Begin:		03 05
Bottom:		03 11
End:		03 32

START POSITION (GPS)		
LAT:	53	19 99
LONG:	128	54 45

BOTTOM POSITION (GPS)		
LAT:	53	20 01
LONG:	128	54 40

END POSITION (GPS)		
LAT:	53	20 18
LONG:	128	54 52

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: RI 1UTC DATE y/m/d: 00/05/08
CAST NUMBER: 62SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	O ₂
					Trip pressure	Confirmed Salinity	SAL		NUT	ALK	TCO						μmol/kg	na/l
1	764			BOT	325	/											89.47	2.049
2	765			300		/											90.84	2.081
3	766			250		/											97.54	2.234
4	767			200		/											132.10	3.026
5	768			175		/											149.11	3.416
6	769			150		/											158.72	3.636
7	770			125		/											173.19	3.967
8	771			100		/											209.10	4.790
9	772			75		/											246.76	5.653
10	773			50		/											264.74	6.065
11	774			30		/											267.63	6.131
12	775			20		/											266.13	6.096
13	776			10		/											262.24	6.007
14	777			5		/											268.84	6.159
15	778			0		/											305.49	6.998
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: EF
CHECKED BY: HRBottom Depth: 331Cast # down: 62Cast # up: 62

Time	LOC	UTC
Begin:		1713
Bottom:		1718
End:		1734

START POSITION (GPS)		
LAT:	51° 26'	30
LONG:	127° 38'	31

BOTTOM POSITION (GPS)		
LAT:	51° 26'	26
LONG:	127° 38'	36

END POSITION (GPS)		
LAT:	51° 26'	13
LONG:	127° 38'	54

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: Ri 2UTC DATE y/m/d: 00/05/08
CAST NUMBER: 63SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ Mmol/kg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	779			80T	323	✓											86.85	1.989
2	780			300		✓											88.96	2.038
3	781			250		✓											97.77	2.240
4	782			200		✓											*135.48	3.104
5	783			175		✓											*150.14	3.439
6	784			150		✓											164.51	3.769
7	785			125		✓											170.49	3.905
8	786			100		✓											189.63	4.344
9	787			75		✓											226.35	5.185
10	788			50		✓											253.02	6.796
11	789			30		✓											254.95	5.840
12	790			20		✓											257.61	5.901
13	791			10		✓											262.68	6.017
14	792			0		✓											322.03	7.377
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: #782- air bubbles before reading (large)
#783- " " " " (small)ENTERED BY: EFCHECKED BY: EF/MRBottom Depth: 332Cast # down: 63Cast # up: 63

Time	LOC	UTC
Begin:		1823
Bottom:		1828
End:		1846

START POSITION (GPS)		
LAT:	51	31.25
LONG:	127	33.61

BOTTOM POSITION (GPS)		
LAT:	51	31.25
LONG:	127	33.60

END POSITION (GPS)		
LAT:	51	31.24
LONG:	127	33.60

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: R: 3

UTC DATE y/m/d: 00/05/08
CAST NUMBER: 64

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ μmol/kg	O ₂ ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	793			Bot	320	✓											86.33	1.978
2	794			300		✓											87.99	2.016
3	795			250		✓											91.74	2.101
4	796			200		✓											136.47	3.126
5	797			175		✓											155.94	3.572
6	798			150		✓											168.98	3.871
7	799			125		✓											159.59	3.656
8	800			100		✓											195.91	4.488
9	801			75		✓											235.97	5.406
10	802			50		✓											251.65	5.765
11	803			30		✓											249.36	5.712
12	804			20		✓											254.96	5.841
13	805			10		✓											268.52	6.151
14	806			0		✓											331.23	7.588
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 327

Cast # down: 64

Cast # up: 64

Time	LOC	UTC
Begin:		1924
Bottom:		1930
End:		1948

START POSITION (GPS)
LAT: 51 35.81
LONG: 127 31.88

BOTTOM POSITION (GPS)
LAT: 51 35.79
LONG: 127 31.89

END POSITION (GPS)
LAT: 51 35.73
LONG: 127 31.83

Comments: See oxy file 00090063

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: Ri 4UTC DATE y/m/d: 00/05/08
CAST NUMBER: 65SHIP: 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		PH				
1	807			BOT	292	✓		✓	✓								84.78	1.942
2	808			250		✓			✓								89.53	2.051
3	809			200		✓			✓								111.63	2.557
4	810			175		✓			✓								132.92	3.045
5	811			150		✓			✓								155.75	3.568
6	812			125		✓			✓								153.67	3.520
7	813			100		✓			✓								184.80	4.233
8	814			75		✓			✓								221.44	5.073
9	815			50		✓			✓								240.16	5.502
10	816			30		✓			✓								240.52	5.510
11	817			20		✓			✓								246.28	5.642
12	818			10		✓			✓	✓							258.93	5.931
13	819			5		✓			✓	✓			✓				270.81	6.204
14	820			0				✓	✓	✓			✓				356.20	8.160
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MRBottom Depth: 299Cast # down: 65Cast # up: 65

Time	LOC	UTC
Begin:		2025
Bottom:		2030
End:		2047

START POSITION (GPS)		
LAT:	51° 38.95	
LONG:	127° 26.85	

BOTTOM POSITION (GPS)		
LAT:	51° 38.96	
LONG:	127° 26.84	

END POSITION (GPS)		
LAT:	51° 39.00	
LONG:	127° 26.68	

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: BLS

UTC DATE y/m/d: 00/05/08
CAST NUMBER: 67

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	O ₂
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				µmol/kg	ml/l
1	821			Bot	190	✓											108.45	2.484
2	822			175		✓											111.82	2.561
3	823			150		✓											127.79	2.927
4	824			125		✓											139.23	3.189
5	825			100		✓											168.37	3.857
6	826			75		✓											202.30	4.634
7	827			50		✓											237.81	5.448
8	828			30		✓											237.58	5.442
9	829			20		✓											243.20	5.571
10	830			10		✓											258.94	5.932
11	831			0		✓											374.61	8.581
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 203

Cast # down: 67

Cast # up: 67

Time	LOC	UTC
Begin:		2146
Bottom:		2149
End:		2201

START POSITION (GPS)
LAT: 51° 40.72
LONG: 127° 19.83

BOTTOM POSITION (GPS)
LAT: 51° 40.74
LONG: 127° 19.77

END POSITION (GPS)
LAT: 51° 40.82
LONG: 127° 19.47

Comments:

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: Sm1UTC DATE y/m/d: 00/05/09
CAST NUMBER: 68SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	O ₂
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				mmol/kg	ml/l
1	832			Bot	201	✓		✓									89.49	2.050
2	833			175		✓											108.08	2.476
3	834			150		✓											139.28	3.190
4	835			125		✓					3.528			.618			155.70	3.109
5	836			100		✓											162.61	3.725
6	837			75		✓											197.54	4.525
7	838			50		✓											254.48	5.830
8	839			30		✓											275.82	6.318
9	840			20		✓											281.80	6.455
10	841			10		✓											279.95	6.413
11	842			5		✓								✓			304.70	6.980
12	843			0		✓		✓						✓			349.38	8.003
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: EFBottom Depth: 214Cast # down: 68Cast # up: 68

Time	LOC	UTC
Begin:		02.30
Bottom:		02.31
End:		02.44

START POSITION (GPS)
LAT: 51 18 71
LONG: 127 29 86BOTTOM POSITION (GPS)
LAT:
LONG:END POSITION (GPS)
LAT: 51 18 67
LONG: 127 29 60Comments: #835 - Odd titration - colorimeter went to zero just after endpoint.

ROSETTE LOG

MISSION ID: 2000-09
STATION NAME: SM 2UTC DATE y/m/d: 00/05/09
CAST NUMBER: 69SHIP: JEC70K

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂	O ₂
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				mmol/kg	ml/l
1	844			BOT	360	✓	✓										79.08	1.811
2	845			300		✓	✓										71.57	1.640
3	846			250		✓											74.02	1.696
4	847			200		✓											81.04	1.856
5	848			175		✓											93.36	2.139
6	849			150		✓											113.62	2.603
7	850			125		✓											129.23	2.960
8	851			100		✓											131.87	3.021
9	852			75		✓											180.89	4.144
10	853			50		✓											250.34	5.735
11	854			30		✓											265.25	6.076
12	855			20		✓											271.25	6.214
13	856			10		✓											285.24	6.534
14	857			0		✓											305.08	6.989
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: ET

CHECKED BY:

Bottom Depth: 370Cast # down: 69Cast # up: 69

Time LOC UTC

Begin: 03:18Bottom: 03:25End: 03:44

START POSITION (GPS)

LAT: 51 17 99LONG: 127 22 01

BOTTOM POSITION (GPS)

LAT: 51 17 99LONG: 127 21 85

END POSITION (GPS)

LAT: 51 17 96LONG: 127 21 55