

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: # 8UTC DATE y/m/d: 2001/02/11
CAST NUMBER: 003SHIP: 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					
								OXY		CHL		C13		SPH				
1	1	1390		bot-5	39	✓		✓		↑				↑			6.616	too high
2	2	1391		35		✓		✓									5.928	
3	3	1392		30		✓		✓									5.900	
4	4	1393		25		✓		✓									5.970	
5	5	1394		20		✓		✓									5.982	
6	6	1395		15		✓		✓									6.009	
7	7	1396		10		✓		✓									6.036	
8	8	1397		5		✓		✓									6.171	
9	9	*1398		0		✓		✓									6.256	
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: DJS

CHECKED BY:

Bottom Depth: 43Cast # down: 003Cast # up: 003

Time LOC UTC

Begin: 0353Bottom: 0356

End:

START POSITION (GPS)

LAT: 50° 40.22LONG: 126° 28.97

BOTTOM POSITION (GPS)

LAT: 40.22LONG: 28.97

END POSITION (GPS)

LAT:

LONG:

Comments:

* entered wrong sample # should have been #10 [DJS: edited file and moved sample 10 to the next file]
also 9999 for time #19

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: Kn 1UTC DATE y/m/d: 2001/02/11
CAST NUMBER: 004SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO (m/l/l)	Dosage
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	10*	1399		bot-5	235	✓	✓										5.827	
2	11 +	2004		200		✓											5.460	1.004 ✓
3	12	2007		175		✓											5.934	
4	13	2014		150		✓											5.937	
5	14	2015		125		✓											5.933	
6	15	2017		100		✓											5.940	
7	16	2019		75		✓											5.925	
8	17	2025		50		✓											5.949	
9	18	2027		30		✓											5.950	
10	19	2032		20		✓											5.954	
11	20	2033		10		✓											5.946	
12	21	2035		0		✓											5.994	
13																		
14	111①	2000		2001													0.231	0.048
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:Bottom Depth: 257Cast # down: 004Cast # up: 004

Time	LOC	UTC
Begin:		0506
Bottom:		0514
End:		0531

START POSITION (GPS)		
LAT:	50°	38.14
LONG:	126°	25.29

BOTTOM POSITION (GPS)		
LAT:		38.20
LONG:		25.49

END POSITION (GPS)		
LAT:		38.19
LONG:		25.56

Comments:

* titrated value is file 2001-040003.02 as sample #9

+ large flake of unidentified solid caused titration to stop prematurely

① restarted titration and it ran to completion Result should be $5.460 + 0.231 = 5.691 \text{ m/l/l?}$ [Try with $1.004 + 0.048 = 1.052 \text{ m/l}$]

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: Kn 2

UTC DATE y/m/d: 2001/02/11
CAST NUMBER: 005

SHIP:

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

ROSETTE OPERATION		Samples taken												DO ₂ (ml/l)	
Trip	Confirmed	SAL		NUT		ALK		TCO							
pressure	Salinity		OXY		CHL		C13								

1	22	2036		601-5	177	✓									5.747
2	23	2040		150		✓									5.814
3	24	2043		125		✓									5.803
4	25	2044		100		✓									5.773
5	26	2047		75		✓									5.785
6	27	2049		50		✓									5.817
7	28	2051		40		✓				1.024					5.751
8	29	2055		30		✓									5.717
9	30	2056		20		✓									5.591
10	31	1330		10		✓									5.521
11	32	1331		0		✓									5.520
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:
CHECKED BY:

Bottom Depth: 184

Cast # down: 005
Cast # up: 005

Time	LOC	UTC
Begin:		0638
Bottom:		0643
End:		0657

START POSITION (GPS)
LAT: 50° 39.26
LONG: 126° 11.05

BOTTOM POSITION (GPS)
LAT: 39.28
LONG: 10.96

END POSITION (GPS)
LAT: 39.35
LONG: 10.73

Comments:

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: TrC 1

UTC DATE y/m/d: 2001/02/12
CAST NUMBER: 006

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO (mL/L)	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	33	1390		bot-5	259	✓	✓										5.971	
2	34	1391		200		✓	✓										5.845	
3	35	1392		175		✓											5.850	
4	36	1393		150		✓											5.884	
5	37	1394		125		✓											5.857	
6	38	1395		100		✓											5.848	
7	39	1396		75		✓											5.850	
8	40	1397		50		✓											5.872	
9	41	1398		30		✓											5.862	
10	42	1399		20		✓											5.840	
11	43	2000		10		✓											5.830	
12	44	2007		0		✓											5.850	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 250

Cast # down: 006
Cast # up: 006

Time	LOC	UTC
Begin:		0309
Bottom:		0318
End:		0338

START POSITION (GPS)
LAT: 50° 43.55
LONG: 126° 10.89

BOTTOM POSITION (GPS)
LAT: 43.57
LONG: 10.76

END POSITION (GPS)
LAT: 43.57
LONG: 10.72

Comments:

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: TrC2.5UTC DATE y/m/d: 2001/02/12
CAST NUMBER: 007SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO (ml/l)	Trans. initial
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	45	2014		bat-5	286	✓											6.044	
2	46	2015		250		✓											6.047	39.7
3	47	2017		200		✓											6.057	
4	48*	2019		175		✓											6.070	39.7
5	49	2025		150		✓											6.038	39.8
6	50	2027		125		✓											6.006	39.8
7	51	2032		100		✓											6.027	39.9
8	52	2033		75		✓											6.031	39.9
9	53	2035		50		✓											6.011	39.8
10	54	2036		30		✓											6.031	39.6
11	55	2040		20		✓											5.997	39.9
12	56	2043		10		✓											6.042	39.8
13	57	2044		0		✓											6.020	39.5
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY: Bottom Depth: 291Cast # down: 007Cast # up:

Time	LOC	UTC
Begin:		0506
Bottom:		0515
End:		0535

START POSITION (GPS)	
LAT: 50°	50.36'
LONG: 126°	19.74'

BOTTOM POSITION (GPS)	
LAT:	50.37
LONG:	19.79

END POSITION (GPS)	
LAT:	50.42
LONG:	19.88

Comments:

* Closed program accidentally, restarted and called it cast 7777 [DJS: copied, other file 07 with the data in file 7777.]

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: Kin 1UTC DATE y/m/d: 2001/02/12
CAST NUMBER: 008

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO (mM)	Initial Temp.
					Trip pressure	Confirmed Salinity	SAL	OXY	NUT	CHL	ALK	C13	TCO					
1	58	1330		607-5	462	✓	✓										2.615	52.6
2	59	1331		400		✓	✓										2.625	52.2
3	60*	1332		300		✓	✓				363		✓	0.088 ml dispensed				
4	61	1333		250		✓											2.627	52.4
5	62	1334		200		✓											2.842	50.8
6	63	1335		175		✓											3.171	48.8
7	64	1336		150		✓											3.479	47.2
8	65	1337		125		✓											3.939	44.9
9	66	1338		100		✓											4.547	42.8
10	67	1339		75		✓											5.305	41.1
11	68	1340		50		✓											5.722	40.4
12	69	1341		30		✓											5.690	40.4
13	70	1342		20		✓											5.707	40.3
14	71	1343		10		✓											5.858	40.1
15	72	1344		0													6.522	39.2
16																		
17	60+			300													2.099	0.363 ml dispensed
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

* End point initially to be found. Aborted titration + titration 2nd time

[DJS: Try adding this dispensed 0.088 + 0.363 = 0.451 ml]

ENTERED BY:

CHECKED BY:

Bottom Depth:

475

Cast # down:

008

Cast # up:

Time LOC UTC

Begin: 0759

Bottom: 0808

End: 0829

START POSITION (GPS)

LAT: 53.55

LONG: 34.61

BOTTOM POSITION (GPS)

LAT: 53.55

LONG: 34.59

END POSITION (GPS)

LAT: 53.53

LONG: 34.54

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: MI-11

UTC DATE y/m/d: 2001/2/13
CAST NUMBER: 009

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO2 ml/L	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
								OXY		CHL		C13								
1	73	1330		bot-5	48	✓		✓											6.524	
2	74	1331		45		✓													6.215	
3	75	1332		40		✓													6.208	
4	76	1333		35		✓													6.153	
5	77	1334		30		✓													6.192	
6	78	1335		25		✓													6.185	
7	79	1336		20		✓													6.295	
8	80	1337		15		✓													6.199	
9	81	1338		10		✓													6.207	
10	82	1339		5		✓													6.218	
11	83	1340		0		✓		✓											6.201	
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 52

Cast # down: 009
Cast # up:

Time	LOC	UTC
Begin:		0300
Bottom:		0304
End:		0314

START POSITION (GPS)
LAT: 50° 39.48
LONG: 128° 39.84

BOTTOM POSITION (GPS)
LAT: 35.42
LONG: 35.82

END POSITION (GPS)
LAT: 35.48
LONG: 35.86

Comments:

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: MD-12

UTC DATE y/m/d: 2001/2/13
CAST NUMBER: 010

SHIP: CAST #1

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			SAR			
1	84	1341		bot-5	47.6	✓											6.200	
2	85	1342		40		✓											6.011	
3	86	1343		30		✓											6.042	
4	87	1344		20		✓											6.167	
5	88	1345		10		✓											6.147	
6	89	1346		0		✓											6.151	
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
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19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 52

Cast # down: 010
Cast # up:

Time	LOC	UTC
Begin:		2057
Bottom:		2100
End:		2106

START POSITION (GPS)
LAT: 50° 39.44
LONG: 126° 39.59

BOTTOM POSITION (GPS)
LAT: 39.45
LONG: 39.59

END POSITION (GPS)
LAT: 39.47
LONG: 39.58

Comments:

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: MI-12

UTC DATE y/m/d: 2001/2/13
CAST NUMBER: 011

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							
								OXY		CHL		C13		SPH						
1	90	1347		bot-5	47	✓													6.195	
2	91	1348		40		✓													6.216	
3	92	1349		30		✓													6.195	
4	93	1350		20		✓													6.186	
5	94	1351		10		✓													6.214	
6	95	1353		0		✓													6.144	
7																				
8																				
9																				
10																				
11																				
12																				
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23																				
24																				

ENTERED BY:
CHECKED BY:

CAST #2

Bottom Depth: 52

Cast # down: 011
Cast # up:

Time	LOC	UTC
Begin:		2202
Bottom:		2204
End:		2211

START POSITION (GPS)		
LAT:	50°	39.45
LONG:	126°	39.60

BOTTOM POSITION (GPS)		
LAT:		39.45
LONG:		39.59

END POSITION (GPS)		
LAT:		39.47
LONG:		39.53

Comments:

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: ME-12UTC DATE y/m/d: 2001/2/13
CAST NUMBER: 012SHIP: CUT#3

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		SPM				
1	96	1354*		bot-5	48	✓											1.7	0.436ml
2	97	1355		40		✓											6.221	
3	98	1356		30		✓											6.144	
4	99	1357①		20		✓										✓	3.393	0.695ml
5	100	1358		10		✓											6.118	
6	101	1359		0		✓											6.154	
7																		
8	96	1354															3.604	0.606
9	99	1352		20													2.148	0.397
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:Bottom Depth: 5-2Cast # down: 012

Cast # up:

Time	LOC	UTC
Begin:		2300
Bottom:		2302
End:		

START POSITION (GPS)	
LAT: <u>50°</u>	<u>39.46</u>
LONG: <u>126°</u>	<u>39.64</u>

BOTTOM POSITION (GPS)	
LAT:	<u>39.46</u>
LONG:	<u>39.63</u>

END POSITION (GPS)	
LAT:	<u>39.46</u>
LONG:	<u>39.57</u>

Comments:

* Endpoint not found, aborted titration Dosage 0.436 [DOS: Add dosages dispensed 0.436 + 0.606 = 1.042ml]
① Endpoint not real redo 0.695ml Dosage [DOS: Add dosages dispensed 0.695 + 0.397 = 1.092ml]

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: MI-12UTC DATE y/m/d: 2001/2/13+14
CAST NUMBER: 013SHIP: VECTOR
Cast #4

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		SPM				
1	102	1390		Bot-5	48.9	✓											6.194	
2	103	1391		40		✓											6.183	
3	104	1392		30		✓											6.180	
4	105	1393		20		✓											6.169	
5	106	1394		10		✓											6.158	
6	107	1395		0		✓											3.771	0.750ml
7																		
8	107	1395															1.855	0.330
9																		
10																	.750	
11																	.327	
12																	.330	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:Bottom Depth: 54Cast # down: 013

Cast # up:

Time	LOC	UTC
Begin:		2357
Bottom:		0000
End:		0006

START POSITION (GPS)		
LAT:	50°	39.45
LONG:	126°	39.59

BOTTOM POSITION (GPS)		
LAT:		39.44
LONG:		39.62

END POSITION (GPS)		
LAT:		39.43
LONG:		39.62

Comments:

* premature end point, re run [Add dosages: $0.750 + 0.330 = 1.080 \text{ ml}$]

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: MT-12UTC DATE y/m/d: 2001/2/14
CAST NUMBER: 014SHIP: cast # 5

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					
								OXY		CHL		C13		SPH				
1	108	1396		bot-5	49	✓											6.203	
2	109	1397		40		✓											6.213	
3	110	1398		30		✓											6.231	
4	111	1399		20		✓											6.171	
5	112	2000		10		✓											6.167	
6	113	2007		0		✓											6.159	
7																		
8																		
9																		
10																		
11																		
12																		
13																		
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22																		
23																		
24																		

ENTERED BY:
CHECKED BY:Bottom Depth: 54Cast # down: 014

Cast # up:

Time	LOC	UTC
Begin:		<u>0100</u>
Bottom:		<u>0103</u>
End:		<u>0110</u>

START POSITION (GPS)		
LAT:	<u>50°</u>	<u>39.45</u>
LONG:	<u>126°</u>	<u>39.62</u>

BOTTOM POSITION (GPS)		
LAT:		<u>39.44</u>
LONG:		<u>39.61</u>

END POSITION (GPS)		
LAT:		<u>39.44</u>
LONG:		<u>39.62</u>

Comments:

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: MT-12UTC DATE y/m/d: 2001/2/14
CAST NUMBER: 015SHIP: CAST #6

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					
								OXY		CHL		C13		SPM				
1	114	2014		bot-5	49	✓											6.212	
2	115	2015		40		✓											6.143	
3	116	2017		30		✓											6.158	
4	117	2019		20		✓											6.159	
5	118	2025		10		✓											6.160	
6	119	2027		0		✓											6.170	
7																		
8																		
9																		
10																		
11																		
12																		
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17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 54Cast # down: 015

Cast # up:

Time LOC UTC

Begin: 0201Bottom: 0203End: 0209

START POSITION (GPS)

LAT: 50° 39.44LONG: 126° 39.60

BOTTOM POSITION (GPS)

LAT: 39.44LONG: 39.59

END POSITION (GPS)

LAT: 39.45LONG: 37.62

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: QCS 1UTC DATE y/m/d: 2001/2/14
CAST NUMBER: 016SHIP:

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					
								OXY		CHL		C13		SPM				
1	120	2032		bot-5	148	✓											6.174	
2	121	2033		125		✓											6.182	
3	122	2035		100		✓									✓		3.858*	0.770 ml
4	123	2036		75		✓											6.232	
5	124	2040		50		✓											6.240	
6	125	2043		40		✓											— ①	0.274
7	126	2044		30		✓											6.249	
8	127	2047		20		✓											6.212	
9	128	2049		10		✓											6.259	
10	129	2051		0													6.242	
11																		
12																		
313	122	2035		100													1.879*	0.342 ml
14																		
645	125	2043		40													4.731 ②	0.872 ml
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: CHECKED BY: Bottom Depth: 154Cast # down: 016Cast # up:

Time	LOC	UTC
Begin:		0252
Bottom:		0258
End:		0311

START POSITION (GPS)		
LAT:	50°	37.96
LONG:	126°	46.28

BOTTOM POSITION (GPS)		
LAT:		37.92
LONG:		46.36

END POSITION (GPS)		
LAT:		37.87
LONG:		46.51

Comments:

* premature end point (dosage 0.770 ml); will be re-run at end of series (between samples 124 & 125) ↓

+ re-run (dosage 0.352 ml)

[DSS: Add dosages 0.274 + 0.832 = 1.111]

NOTES ON BACK

[DSS: Add dosages 0.770 + 0.742 = 1.512]

① Error message "End pt. unlikely to be found. Aborting titration!" Dosage 0.274 ml.
will be rerun between 126 & 127.

② Re-run. Dosage 0.847 ml. this run. Titration was started accidentally in D.I.

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: C13

UTC DATE y/m/d: 2001/2/14
CAST NUMBER: 017

SHIP:

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							
								OXY		CHL		C13		SPH						
1	130	1330		bot-5	30	✓													6.196	
2	131	1331		20		✓													6.167	
3	132	1332		10		✓													6.225	
4	133	1333		0		✓													6.153	
5																				
6																				
7																				
8																				
9																				
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24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 35

Cast # down: 017

Cast # up:

Time	LOC	UTC
Begin:		1831
Bottom:		1833
End:		1838

START POSITION (GPS)		
LAT:	50°	41.49
LONG:	126°	37.54

BOTTOM POSITION (GPS)		
LAT:		41.50
LONG:		37.55

END POSITION (GPS)		
LAT:		41.54
LONG:		37.55

Comments:

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: FS 1UTC DATE y/m/d: 2001/2/14
CAST NUMBER: 018SHIP:

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					
								OXY		CHL		C13						
1	134	1334		bot-5	325	✓											6.240	
2	135	1359		300		✓											6.209	
3	136	1336		250		✓											6.222	
4	137	1337		200		✓											6.259	
5	138	1338		175		✓											6.255	
6	139	1339		150		✓											6.236	
7	140	1340		125		✓											0.121 *	1.068 ml
8	141	1343		100		✓											6.196	
9	142	1344		75		✓											6.215	
10	143	1341		50		✓											6.210	
11	144	1342		30		✓											6.192	
12	145	1345		20		✓											6.176	
13	146	1346		10		✓											6.157	
14	147	1347		0		✓											6.129	
15																		
16																		
17																		
18																		
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23																		
24																		

ENTERED BY:
CHECKED BY: Bottom Depth: 337Cast # down: 018Cast # up:

Time	LOC	UTC
Begin:		2255
Bottom:		2303
End:		2327

START POSITION (GPS)		
LAT:	50°	47.03
LONG:	126°	36.71

BOTTOM POSITION (GPS)		
LAT:		47.01
LONG:		36.70

END POSITION (GPS)		
LAT:		47.04
LONG:		36.78

Comments:

* Runtime error 6 Over Flow's 1.072ml dosage. Program terminated.
0.038 ml dosage on the second run.

[DSS: Add dosages 1.068 + 0.028 = 1.096 ml]

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: SC

UTC DATE y/m/d: 2001/2/15
CAST NUMBER: 019

SHIP:

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

ROSETTE OPERATION		Samples taken												DO2	
Trip	Confirmed	SAL		NUT		ALK		TCO							
pressure	Salinity		OXY		CHL		C13							m/l	

ENTERED BY:
CHECKED BY:

Bottom Depth: 239

Cast # down: 019

Cast # up:

Time	LOC	UTC
Begin:		0133
Bottom:		0140
End:		0157

START POSITION (GPS)	
LAT: 50°	53.38
LONG: 126°	45.70

BOTTOM POSITION (GPS)	
LAT:	53.40
LONG:	45.73

END POSITION (GPS)	
LAT:	53.42
LONG:	45.73

1	148	1348		bot-5	234	✓											3.114 *	
2	149	1349		200		✓											3.132 *	
3	150	1350		175		✓											3.289 *	
4	151	1351		150		✓											4.251	
5	152	1353		125		✓					.010		.814				4.740 ①	← OK
6	153	1352		100		✓											5.104	
7	154	1354		75		✓											1.998 ②	0.588
8	155	1355		50		✓											5.585	
9	156	1356		30		✓											5.666	
10	157	1357		20		✓											5.821	
11	158	1358		10		✓											5.980	
12	159	1335		0		✓											6.167	
13																		
7 14	154	1354		75														0.339
15																		
16																		
17																		
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22																		
23																		
24																		

Comments:

* These had relatively little precipitate before acidification

② [DJS: Add dissolves: 0.588 + 0.339 = 0.927]

X Secchi disk.

NOTES ON BACK.

Looks like run is distilled water
diluted with 1:100

- ① "End point unlikely to be found. Aborting titration" Dosage 0.010 ml. To be re-run after #153.
Re-run dosage = 0.824 ml.
- ② Premature end point 0.588 ml dosage. 2.912 mL/L. To be re-run after #155.
Re-run dosage = 0.349 ml. 1.998 mL/L.

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: WPUTC DATE y/m/d: 2001/2/15
CAST NUMBER: 020SHIP:

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	160	1390		bot-5	178	✓											6.264	
2	161	1391		150		✓											6.225	
3	162			125		✓											6.208	
4	163			100		✓											6.215	
5	164			75		✓											6.181	
6	165	1395		50		✓											6.107	
7	166	1396		30		✓											6.082	
8	167	1397		20		✓											6.087	1.023
9	168	1399		10		✓											6.707	1.078
10	169	1399		0		✓											6.052	975
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ENTERED BY:
CHECKED BY: Bottom Depth: 183Cast # down: 020Cast # up:

Time	LOC	UTC
Begin:		0258
Bottom:		0304
End:		0320

START POSITION (GPS)		
LAT:	56°	50.79
LONG:	126°	56.43

BOTTOM POSITION (GPS)		
LAT:		56.70
LONG:		56.48

END POSITION (GPS)		
LAT:		56.63
LONG:		56.79

Comments:

ROSETTE LOG

MISSION ID: 2001-041
STATION NAME: PE-8UTC DATE y/m/d: 2001/2/15
CAST NUMBER: 021SHIP: Cast # 1

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	170	1390		bot-5	40	✓											6.153	
2	171	1391		30		✓											5.880	
3	172	1392		20		✓											5.923	
4	173	1393		10		✓											5.987	
5	174	1394		0		✓											6.016	
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24																		

ENTERED BY:
CHECKED BY:Bottom Depth: 44Cast # down: 021

Cast # up:

Time	LOC	UTC
Begin:		2205
Bottom:		2208
End:		

START POSITION (GPS)		
LAT:	50°	40.28
LONG:	126°	29.00

BOTTOM POSITION (GPS)		
LAT:		40.28
LONG:		28.99

END POSITION (GPS)		
LAT:		40.29
LONG:		29.08

Comments:

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: PE-8

UTC DATE y/m/d: 2001/2/15
CAST NUMBER: 022

SHIP: Cast #2

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	175	1395		bot-5	49	✓											5.814	
2	176	1396		30		✓											5.850	
3	177	1397		20		✓											5.932	
4	178	1398		10		✓											5.962	
5	179	1399		0		✓											5.977	
6																		
7																		
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ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 022

Cast # up:

Time	LOC	UTC
Begin:		<u>2301</u>
Bottom:		<u>2303</u>
End:		

START POSITION (GPS)		
LAT:	<u>50°</u>	<u>40.27</u>
LONG:	<u>126°</u>	<u>28.98</u>

BOTTOM POSITION (GPS)		
LAT:		<u>40.27</u>
LONG:		<u>27.01</u>

END POSITION (GPS)		
LAT:		<u>40.25</u>
LONG:		<u>29.07</u>

Comments:

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: PE-8

UTC DATE y/m/d: 2001/2/16
CAST NUMBER: 023

SHIP:
Cait #3

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	180	2000		bot-5	41	✓											5.864	
2	181	2007		30		✓											5.822	
3	182	2014		20		✓											5.892	
4	183	2015		10		✓											5.922	
5	184	2017		0		✓											5.934	
6																		
7																		
8																		
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23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 45

Cast # down: 023
Cast # up:

Time	LOC	UTC
Begin:		0000
Bottom:		0003
End:		0008

START POSITION (GPS)		
LAT:	50°	40.29
LONG:	126°	29.03

BOTTOM POSITION (GPS)		
LAT:		40.29
LONG:		29.06

END POSITION (GPS)		
LAT:		40.29
LONG:		29.06

Comments:

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: PE-8

UTC DATE y/m/d: 2001/02/16
CAST NUMBER: 024

SHIP:
Cast #4

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO2	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13		SPH			m/L	
1	185	2019		bot-5		✓											5.763	
2	186	2025		30		✓											5.911	
3	187	2027		20		✓											5.910	
4	188	2032		10		✓											5.920	
5	189	2033		0		✓											5.980	
6																		
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ENTERED BY:
CHECKED BY:

Bottom Depth: 45

Cast # down: 024
Cast # up:

Time	LOC	UTC
Begin:		0100
Bottom:		0103
End:		0108

START POSITION (GPS)
LAT: 50° 40.27
LONG: 126° 28.99

BOTTOM POSITION (GPS)
LAT: 40.27
LONG: 29.03

END POSITION (GPS)
LAT: 40.28
LONG: 29.08

Comments:

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: PE-8

UTC DATE y/m/d: 2001/2/06
CAST NUMBER: 025

SHIP:
Cart #5

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO2 mL/L	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13		SPR				
1	190	2035		bot-5	40	✓											5.837	
2	191	2036		30		✓											5.819	
3	192	2040		20		✓											5.903	
4	193	2043		10		✓											5.951	
5	194	2044		0		✓											6.083	
6																		
7																		
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23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 45

Cast # down: 025
Cast # up:

Time	LOC	UTC
Begin:		0200
Bottom:		0203
End:		0208

START POSITION (GPS)
LAT: 50° 40.26
LONG: 126° 29.02

BOTTOM POSITION (GPS)
LAT: 40.25
LONG: 29.03

END POSITION (GPS)
LAT: 40.25
LONG: 29.05

Comments:

ROSETTE LOG

MISSION ID: 2001-04
STATION NAME: PE-8

UTC DATE y/m/d: 2001/2/16
CAST NUMBER: 026

SHIP: CAST #6

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	195	2047		bot-5	41	✓											5.802	
2	196	2049		30		✓							1.058				5.985*	
3	197	2051		20		✓											5.920	
4	198	2053		10		✓											5.903	
5	199	2056		0													6.085	
6																		
7																		
8																		
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ENTERED BY:
CHECKED BY:

Bottom Depth: 46

Cast # down: 026
Cast # up:

Time	LOC	UTC
Begin:		0258
Bottom:		0301
End:		0306

START POSITION (GPS)
LAT: 50° 40.25
LONG: 126° 28.99

BOTTOM POSITION (GPS)
LAT: 40.25
LONG: 29.01

END POSITION (GPS)
LAT: 40.24
LONG: 29.03

Comments:

*staring looking glass