

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: 53

UTC DATE y/m/d: 8/3/2000
CAST NUMBER: 002

SHIP: T4LLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13	PH					
1	1			bot-10	219	✓												
2	2			200		✓												
3	3			175		✓												
4	4			150		✓												
5	5			125		✓												
6	6			100		✓												
7	7			75		✓												
8	8			50		✓												
9	9			40		✓												
10	10			30		✓												
11	11			20		✓												
12	12			10		✓												
13	13			0	2.0	✓												
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2001
Bottom:		2210
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFA1UTC DATE y/m/d: 2000/03/09
CAST NUMBER: 003SHIP: TULLY

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			DMS			
1	14			B ₀ -10	101	✓												
2	15			75		✓												
3	16			50		✓												
4	17			40		✓												
5	18			30		✓												
6	19			20		✓												
7	20			10		✓												
8	21			0		✓												
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JE
CHECKED BY:Bottom Depth: 113Cast # down: 003Cast # up: 003

Time	LOC	UTC
Begin:		0232
Bottom:		0232
End:		

START POSITION (GPS)	
LAT:	48° 22.68'
LONG:	123° 19.94'

BOTTOM POSITION (GPS)	
LAT:	48° 22.70'
LONG:	123° 19.96'

END POSITION (GPS)	
LAT:	
LONG:	

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFA2

UTC DATE y/m/d: 2000/03/09
CAST NUMBER: 004

SHIP: TULLY

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		PMS						
1	22			130-10	40	✓			↑												
2	23			30		✓															
3	24			20		✓															
4	25			10		✓															
5	26			0					↓						✓						
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 45

Cast # down: 004
Cast # up: 004

Time	LOC	UTC
Begin:		0311
Bottom:		0314
End:		

START POSITION (GPS)
LAT: 48° 20.75'
LONG: 123° 19.95'

BOTTOM POSITION (GPS)
LAT: 48° 20.76'
LONG: 123° 19.93'

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFA3

UTC DATE y/m/d: 2000/03/09
CAST NUMBER: 005

SHIP: TULLY

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		DMS						
1	27			B-10	90	-														
2	28			75		✓														
3	29			50		✓														
4	30			40		✓														
5	31			30		✓														
6	32			20		✓														
7	33			10		✓														
8	34			0		✓								✓						
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 99

Cast # down: 005
Cast # up: 005

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFA4

UTC DATE y/m/d: 2000/03/09
CAST NUMBER: 006

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	35			bot-10		✓												
2	36			30		✓											5.765	
3	37			20		✓											5.849	
4	38			10		✓											5.951	
5	39			0		✓											5.969	
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
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22																		
23																		
24																		

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 50m

Cast # down: 006
Cast # up: 006

Time	LOC	UTC
Begin:		04:46
Bottom:		04:47
End:		04:52

START POSITION (GPS)
LAT: 48° 14.27
LONG: 123° 20.25

BOTTOM POSITION (GPS)
LAT: 14.27
LONG: 20.29

END POSITION (GPS)
LAT: 14.24
LONG: 20.42

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFASUTC DATE y/m/d: 2000/03/09
CAST NUMBER: 007SHIP: TULLY

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	40			bot-10		✓													5.001	
2	41			75		✓													5.004	
3	42			50		✓													5.624	
4	43			40		✓													5.686	
5	44			30		✓													5.726	
6	45			20		✓													5.770	
7	46			10		✓													5.854	
8	47			0		✓													5.967	
9																				
10																				
11																				
12																				
13																				
14																				
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22																				
23																				
24																				

Comments:

ENTERED BY:
CHECKED BY:Bottom Depth: 93Cast # down: 007
Cast # up:

Time	LOC	UTC
Begin:		0527
Bottom:		0530
End:		0541

START POSITION (GPS)		
LAT:	48°	11.92
LONG:	123°	19.96

BOTTOM POSITION (GPS)		
LAT:		11.92
LONG:		19.96

END POSITION (GPS)		
LAT:		11.90
LONG:		20.17

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: TFBS

UTC DATE y/m/d: 2006/03/09
CAST NUMBER: 009

SHIP:

[illegible]

ENTERED BY:
CHECKED BY:

Bottom Depth: 49

Cast # down: 009

Cast # up:

Time	LOC	UTC
Begin:		1723
Bottom:		
End:		1728

START POSITION (GPS)	
LAT:	48° 9.78
LONG:	123° 35.27

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)	
LAT:	48° 9.79
LONG:	123° 35.28

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFB4

UTC DATE y/m/d: 2000/03/07
CAST NUMBER: 010

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	49			Surf		✓												
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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19																		
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21																		
22																		
23																		
24																		

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 134

Cast # down: 010
Cast # up: 010

Time	LOC	UTC
Begin:		1802
Bottom:		
End:		1810

START POSITION (GPS)
LAT: 48° 11.77
LONG: 123° 35.38

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48° 11.78
LONG: 123° 35.39

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JF03

UTC DATE y/m/d: 2000/03/09
CAST NUMBER: 011

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO	DMS				
1	50			Surf		✓								✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 157

Cast # down: 011
Cast # up:

Time	LOC	UTC
Begin:		1848
Bottom:		
End:		1856

START POSITION (GPS)
LAT: 48° 13.80
LONG: 123° 35.39

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48° 13.78
LONG: 123° 35.55

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFB2UTC DATE y/m/d: 2000/03/09
CAST NUMBER: 012SHIP: Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

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

1	51			Surf		✓								✓		
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
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19																
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22																
23																
24																

ENTERED BY:
CHECKED BY: Bottom Depth: 193Cast # down: 012Cast # up:

Time	LOC	UTC
Begin:		1922
Bottom:		
End:		1931

START POSITION (GPS)		
LAT:	48°	15.86
LONG:	123°	35.45

BOTTOM POSITION (GPS)		
LAT:		
LONG:		

END POSITION (GPS)		
LAT:	48°	15.88
LONG:	123°	35.95

Comments:

ROSETTE LOG

MISSION ID:
STATION NAME: JPB 1

UTC DATE y/m/d: 2000/04/09
CAST NUMBER: 013

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO	DMS				
								OXY		CHL		C13						
1	52			Surf	3.2	✓								✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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14																		
15																		
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17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 157

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2008
Bottom:		2012
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFC1

UTC DATE y/m/d: 2000/04/09
CAST NUMBER: 014

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13		MS				
1	53			60	53		✓	✓									5.391	
2	54			50		✓	✓										5.420	
3	55			40		✓											5.456	
4	56			30		✓											6.330	
5	57			20		✓											5.591	
6	58			10		✓	✓	✓									5.656	
7	59			0	16	✓	✓	✓						✓			5.690	
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		21:14
Bottom:		
End:		21:23

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 48 20.16

LONG: 123 44 97

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFCZ

UTC DATE y/m/d: 2000/03/09
CAST NUMBER: 015

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken													
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
								OXY		CHL		C13		DMS						
1	60			B-5	164	✓		✓											3772	poor
2	61			150		✓													4021	
3	62			125		✓													4301	
4	63			100		✓													5092	poor
5	64			75		✓													5104	poor
6	65			50		✓													5161	
7	66			40		✓													5192	
8	67			30		✓													5195	
9	68			20		✓													5236	
10	69			10		✓													5308	
11	70			0	1.4	✓		✓						✓					5322	
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 174

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2148
Bottom:		
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48 18.48
LONG: 123 44.47

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFC3

UTC DATE y/m/d: 2000/03/09
CAST NUMBER: 016

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken													
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO		pH					
								OXY		CHL		C13			SW				02.	
1	71			Bot-5	176	✓	✓	✓	✓										3421	
2	72			150		✓	✓								✓				3535	
3	73			125		✓													4642	
4	74			100		✓													4816	
5	75			75		✓													5005	
6	76			50		✓									✓				5403	
7	77			40		✓													5399	
8	78			30		✓													5418	
9	79			20		✓													5454	
10	80			10		✓													5496	
11	81			0	2.2	✓			✓					✓					5505	
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		2239
End:		2254

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 48 16 63
LONG: 123 45 14

END POSITION (GPS)
LAT: 48 16 82
LONG: 123 45 88

large wave angles.

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: SFC 4

UTC DATE y/m/d: 2000/03/09
CAST NUMBER: 017

SHIP:

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

ROSETTE OPERATION		Samples taken												O ₂	
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
			OXY		CHL		C13		DMS						

ENTERED BY:
CHECKED BY:

1	82			Bot-5	162	✓	✓	✓							3535
2	83			150		✓	✓								3569
3	84			125		✓									3708
4	85			100		✓									4579
5	86			75		✓									4807
6	87			50		✓									5221
7	88			40		✓									5273
8	89			30		✓									5321
9	90			20		✓									5368
10	91			10		✓									5455
11	92			0	2.4	✓	✓				✓				5634
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		2320
Bottom:		2324
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 4814.36
LONG: 123 44.55

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFC 5UTC DATE y/m/d: 2000/03/10
CAST NUMBER: 018SHIP: TULLY

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		DIC				
1	93	*		Bot-5	130	✓		✓									3.569	*
2	94			125		✓											3.631	
3	95			100		✓											3.820	
4	96			75		✓											4.355	
5	97			50		✓											4.648	
6	98			40		✓											4.870	
7	99			30		✓											4.935	
8	100			20		✓											5.236	floor
9	101			10		✓											5.738	
10	102			0				✓					✓				5.613	
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: oxygen sample # 93 not shaken correctly. Unable to dissolve precipitate with extra acidENTERED BY: JE

CHECKED BY:

Bottom Depth: 139Cast # down: 018Cast # up: 018

Time LOC UTC

Begin: 2359Bottom: 0003End: 0014

START POSITION (GPS)

LAT: 48° 12.37LONG: 123° 44.84

BOTTOM POSITION (GPS)

LAT: 48° 12.44LONG: 123° 44.70

END POSITION (GPS)

LAT: 48° 12.49LONG: 123° 44.23

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFC 6UTC DATE y/m/d: 2000/03/10
CAST NUMBER: 19SHIP: TULLY

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		DMS				
1	103			Bot-5	35	✓		✓									4.837	
2	104			30		✓		1									4.840	
3	105			20		✓											5.082	
4	106			10		✓											5.261	
5	107			0				✓					✓				5.459	
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JE
CHECKED BY:Bottom Depth: 49Cast # down: 019Cast # up: 019

Time	LOC	UTC
Begin:		0038
Bottom:		0039
End:		0044

START POSITION (GPS)		
LAT:	48°	10.33
LONG:	123°	44.98

BOTTOM POSITION (GPS)		
LAT:	48°	10.32
LONG:	123°	44.98

END POSITION (GPS)		
LAT:	48°	10.36
LONG:	123°	44.94

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFD7

UTC DATE y/m/d: 2000/13/10
CAST NUMBER: 020

SHIP: TULLY

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

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

1	108			0	1.9	✓							✓				
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 49

Cast # down: 020
Cast # up: 020

Time	LOC	UTC
Begin:		0201
Bottom:		0203
End:		0204

START POSITION (GPS)
LAT: 48° 11.75
LONG: 123° 59.88

BOTTOM POSITION (GPS)
LAT: 48° 11.74
LONG: 123° 59.86

END POSITION (GPS)
LAT: 48° 11.73
LONG: 123° 59.85

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFD6

UTC DATE y/m/d: 2000/03/10
CAST NUMBER: 021

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	109			0	1.7	✓								✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 117

Cast # down: 021
Cast # up: 021

Time	LOC	UTC
Begin:		0226
Bottom:		0228
End:		0231

START POSITION (GPS)
LAT: 48° 13.73
LONG: 123° 59.94

BOTTOM POSITION (GPS)
LAT: 48° 13.71
LONG: 123° 59.91

END POSITION (GPS)
LAT: 48° 13.70
LONG: 123° 59.88

Comments:

ROSETTE LOG

MISSION ID:

2000-02

UTC DATE y/m/d:

2000/03/10

SHIP:

TULLY

STATION NAME:

JFDS

CAST NUMBER:

022

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DMS	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	110			0	1.9	/												✓
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

JE

CHECKED BY:

Bottom Depth:

182

Cast # down:

022

Cast # up:

022

Time

LOC

UTC

Begin:

0252

Bottom:

0255

End:

0259

START POSITION (GPS)

LAT:

48° 15.80

LONG:

123° 59.95

BOTTOM POSITION (GPS)

LAT:

48° 15.79

LONG:

123° 59.98

END POSITION (GPS)

LAT:

48° 15.82

LONG:

124° 00.04

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFD4UTC DATE y/m/d: 2000/03/10
CAST NUMBER: 23SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DMS	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	III			0													✓	
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: JE

CHECKED BY:

Bottom Depth: 189Cast # down: 023Cast # up: 023

Time LOC UTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Sample Not taken
Deck unit would not fire
bottle at
surface

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFD3

UTC DATE y/m/d: 2000/03/10
CAST NUMBER: 24

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DMS	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	112			bot-10		✓	✓										✓	
2	113			0		✓												
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 024
Cast # up: 024

Time	LOC	UTC
Begin:		0414
Bottom:		
End:		0425

START POSITION (GPS)
LAT: 48° 19.71
LONG: 124° 0.15

BOTTOM POSITION (GPS)
LAT: 1
LONG:

END POSITION (GPS)
LAT: 19.73
LONG: 0.15

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFD2

UTC DATE y/m/d: 2000/03/10
CAST NUMBER: 025

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DMS	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	114			0		✓											✓	
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 025
Cast # up: 025

Time	LOC	UTC
Begin:		0451
Bottom:		
End:		

START POSITION (GPS)
LAT: 48° 21.7'
LONG: 123° 59.86

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 21.71
LONG: 59.88

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFD1

UTC DATE y/m/d: 2000/03/10
CAST NUMBER: 26

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DMS	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	115			0		✓											✓	
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:

Bottom Depth: 63

Cast # down: 026
Cast # up: 026

Time	LOC	UTC
Begin:		0519
Bottom:		
End:		0525

START POSITION (GPS)
LAT: 48° 23.00
LONG: 123° 59.99

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 23.02
LONG: 59.97

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFE1UTC DATE y/m/d: 2000/03/10
CAST NUMBER: 27SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	116	✓		bot-10		✓			✓									
2	117	✓		10		✓			✓									
3	118	✓		surf		✓			✓									
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: ENTERED BY: CHECKED BY: Bottom Depth: 29mCast # down: 027Cast # up:

Time LOC UTC

Begin: 0701Bottom: End: 0707

START POSITION (GPS)

LAT: 48° 27.17LONG: 124° 15.02

BOTTOM POSITION (GPS)

LAT: LONG:

END POSITION (GPS)

LAT: LONG:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFE2UTC DATE y/m/d: 2000/03/10
CAST NUMBER: 028SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										OXY	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		CI3		PHS				
1	119 ✓			bot-10		✓												
2	120 ✓			100		✓												
3	121 ✓			75		✓												
4	122 ✓			50		✓												
5	123 ✓			40		✓												
6	124 ✓			30		✓												
7	125 ✓			20		✓												
8	126 ✓			10		✓												
9	127 ✓			0		✓							✓					
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: ENTERED BY:
CHECKED BY: Bottom Depth: 134Cast # down: 028Cast # up:

Time	LOC	UTC
Begin:		0734
Bottom:		0737
End:		0748

START POSITION (GPS)		
LAT:	48°	25.18
LONG:	124°	14.90

BOTTOM POSITION (GPS)		
LAT:		25.15
LONG:		14.89

END POSITION (GPS)		
LAT:		25.15
LONG:		14.90

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFE3

UTC DATE y/m/d: 2000-03-10
CAST NUMBER: 29

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DMS	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13		DMS				
1	128	✓		BOT-5	177	✓	✓	✓										
2	129	✓		175		✓	✓	✓										
3	130	✓		150		✓												
4	131	✓		125		✓												
5	132	✓		100		✓												
6	133	✓		75		✓												
7	134	✓		50		✓												
8	135	✓		40		✓												
9	136	✓		30		✓												
10	137	✓		20		✓												
11	138	✓		10		✓												
12	139	✓		0	1.9	✓	✓						✓					
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 184

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		0839
End:		0851

START POSITION (GPS)
LAT: -
LONG:

BOTTOM POSITION (GPS)
LAT: 48 23.25
LONG: 124 15.00

END POSITION (GPS)
LAT: 48 23.27
LONG: 124 15.04

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFE4

UTC DATE y/m/d: 2000-03-10
CAST NUMBER: 130

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DMS	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	140	✓		BOT-5	213	✓	✓	✓										
2	141	✓		200		✓	✓											
3	142	✓		175		✓	✓											
4	143	✓		150		✓												
5	144	✓		125		✓												
6	145	✓		100		✓												
7	146	✓		75		✓												
8	147	✓		50		✓												
9	148	✓		40		✓												
10	149	✓		30		✓												
11	150	✓		20		✓												
12	151	✓		10		✓												
13	152	✓		0	2.0	✓	✓						✓					
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 224

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0924
Bottom:		0930
End:		0944

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 48 21.36
LONG: 124 14.96

END POSITION (GPS)
LAT: 48 21.38
LONG: 124 14.92

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: SFE5UTC DATE y/m/d: 2000-03-10
CAST NUMBER: 31SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DMS	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	153	✓		BOT-5	207	✓			✓									
2	154	✓		200		✓												
3	155	✓		175		✓												
4	156	✓		150		✓												
5	157	✓		125		✓												
6	158	✓		100		✓												
7	159	✓		75		✓												
8	160	✓		50		✓												
9	161	✓		40		✓												
10	162	✓		30		✓												
11	163	✓		20		✓												
12	164	✓		10		✓												
13	165	✓		0														
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:Bottom Depth: 213Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		1029
End:		

START POSITION (GPS)
LAT:
LONG:BOTTOM POSITION (GPS)
LAT: 48 19.22
LONG: 124 14 90END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFE6UTC DATE y/m/d: 2000-03-10
CAST NUMBER: 32SHIP: TULLY

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		DMS			044	
1	166			BOT-5	169	✓		✓									3420	
2	167			150		✓		1									3946	
3	168			125		✓											4001	
4	169			100		✓											5005	
5	170			75		✓											4669	
6	171			50		✓											5022	
7	172			40		✓											5120	
8	173			30		✓											5190	
9	174			20		✓											5429	
10	175			10		✓											5642	
11	176			0		✓		✓					✓				5733	
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:Bottom Depth: 173Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		1129
End:		1139

START POSITION (GPS)
LAT:
LONG:BOTTOM POSITION (GPS)
LAT: 48 17.60
LONG: 124 14.95END POSITION (GPS)
LAT: 48 17.54
LONG: 124 14.99

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFE7

UTC DATE y/m/d: 2000-03-10
CAST NUMBER: 33

SHIP: TULLY

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					DMX	
1	177			BOT-5	108	✓											✓	
2	178			75		✓											4.748	
3	179			50		✓											4.792	
4	180			40		✓											4.802	
5	181			30		✓											5.133	
6	182			20		✓											5.330	
7	183			10		✓											5.541	
8	184			0													5.869	
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 108+

Cast # down: 033
Cast # up: 033

Time	LOC	UTC
Begin:		1209
Bottom:		1212
End:		1220

START POSITION (GPS)		
LAT:	48-	16.44
LONG:	124	14.82

BOTTOM POSITION (GPS)		
LAT:		16.45
LONG:		14.77

END POSITION (GPS)		
LAT:		16.53
LONG:		14.59

Comments:

ROSETTE LOG

MISSION ID:

2000-02

UTC DATE y/m/d:

2000/03/10

SHIP:

TULLY

STATION NAME:

JFF7

CAST NUMBER:

034

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	185			0	1.4	✓											✓	
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

Je

CHECKED BY:

Bottom Depth:

31

Cast # down:

034

Cast # up:

034

Time LOC

UTC

Begin:

1338

Bottom:

1339

End:

1340

START POSITION (GPS)

LAT:

48° 21.02

LONG:

124° 29.92

BOTTOM POSITION (GPS)

LAT:

48° 21.02

LONG:

124° 29.91

END POSITION (GPS)

LAT:

48° 21.02

LONG:

124° 29.91

Comments:

ROSETTE LOG

MISSION ID: 2000-02UTC DATE y/m/d: 2000/03/10SHIP: TULLYSTATION NAME: JFF6CAST NUMBER: 35

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	186			0	2.3	✓								✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JE

CHECKED BY:

Bottom Depth: 109Cast # down: 035Cast # up: 035

Time	LOC	UTC
Begin:		1404
Bottom:		1407
End:		1410

START POSITION (GPS)	
LAT:	48° 22.54
LONG:	124° 30.08

BOTTOM POSITION (GPS)	
LAT:	48° 22.53
LONG:	124° 30.14

END POSITION (GPS)	
LAT:	48° 22.52
LONG:	124° 30.18

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFFS

UTC DATE y/m/d: 2000/03/10
CAST NUMBER: 136

SHIP: TULLY

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		DMS				
1	187			0	20	✓								✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 215

Cast # down: 036
Cast # up: 036

Time	LOC	UTC
Begin:		1432
Bottom:		1439
End:		

START POSITION (GPS)
LAT: 48° 24.56
LONG: 124° 29.99

BOTTOM POSITION (GPS)
LAT: 48° 24.62
LONG: 124° 30.02

END POSITION (GPS)
LAT: 48° 24.64
LONG: 124° 30 01

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFFB

UTC DATE y/m/d: 2000/03/10
CAST NUMBER: 037

SHIP: TULLY

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		DMS				
1	188			0	1.6									✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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15																		
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18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 214

Cast # down: 037

Cast # up: 037

Time	LOC	UTC
Begin:		1518
Bottom:		1521
End:		1526

START POSITION (GPS)		
LAT:	48°	28.55
LONG:	124°	29.89

BOTTOM POSITION (GPS)		
LAT:	48°	28.56
LONG:	124°	29.84

END POSITION (GPS)		
LAT:	48°	28.58
LONG:	124°	29.81

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFF2

UTC DATE y/m/d: 2000/03/10
CAST NUMBER: 038

SHIP: TULLY

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		DMS				
1	189			0	1.2									✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 142

Cast # down: 038
Cast # up:

Time LOC UTC
Begin:
Bottom:
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02

STATION NAME: JFF1

UTC DATE y/m/d:

CAST NUMBER:

SHIP: TULLY

[illegible]

ENTERED BY: DJS

CHECKED BY:

Bottom Depth: 63

Cast # down: 039

Cast # up:

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

Begin: 1629

Bottom: 1631

End: 1633

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

2000-02

UTC DATE y/m/d:

2000/03/10

SHIP:

TULLY

STATION NAME:

JFF4

CAST NUMBER:

040

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO		PH			
								OXY		CHL		C13		DMS				
1	191			B-10	227										✓			
2	192			200	200										/			
3	193			150	150										/			
4	194			100	100										/			
5	195			50	50										✓			
6	196			25	24.7										✓			
7	197			0	7.2									✓	✓			
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

230

Cast # down:

040

Cast # up:

040

Time

LOC

UTC

Begin:

1718

Bottom:

1723

End:

1733

START POSITION (GPS)

LAT:

4826.53

LONG:

12430.12

BOTTOM POSITION (GPS)

LAT:

4826.55

LONG:

12430.27

END POSITION (GPS)

LAT:

4826.61

LONG:

12430.58

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFS1

UTC DATE y/m/d: 2000/03/10
CAST NUMBER: 041

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	198			0	1-2								0m					
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
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19																		
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21																		
22																		
23																		
24																		

ENTERED BY: JFS
CHECKED BY:

Bottom Depth: 104

Cast # down: 041
Cast # up: 041

Time	LOC	UTC
Begin:		1846
Bottom:		1849
End:		1852

START POSITION (GPS)
LAT: 48 22.91
LONG: 124 31.33

BOTTOM POSITION (GPS)
LAT: 48 22.96
LONG: 124 31.33

END POSITION (GPS)
LAT: 48 22.98
LONG: 124 31.39

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JF310

UTC DATE y/m/d: 09/03/10
CAST NUMBER: 042

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	199			0	1.4												✓	
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
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24																		

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 89

Cast # down: 042
Cast # up: 042

Time	LOC	UTC
Begin:		1947
Bottom:		1950
End:		1953

START POSITION (GPS)
LAT: 48 20.27
LONG: 124 24.59

BOTTOM POSITION (GPS)
LAT: 48 20.31
LONG: 124 24.59

END POSITION (GPS)
LAT: 48 20.34
LONG: 124 24.65

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFS 9

UTC DATE y/m/d: 00/03/10
CAST NUMBER: 43

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	200			0	1.2	✓								✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
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21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:	2047	
End:	2050	

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 4818.19
LONG: 124 17 66

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFS 8

UTC DATE y/m/d: 00/03/10
CAST NUMBER: 44

SHIP: Tully

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	201			178		✓	✓													
2	202			170		✓	✓													
3	203			0			✓						✓							
4																				
5																				
6																				
7																				
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24																				

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:	2139	
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 48 16.52
LONG: 124 10.45

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFS 7

UTC DATE y/m/d: 00/03/10
CAST NUMBER: 45

SHIP: TULLY

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		OMS				
1	204			1.7		✓								✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
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23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		22 21
Bottom:		
End:		

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFS6

UTC DATE y/m/d: 2000/03/10
CAST NUMBER: 46

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13		045				
1	205			0.	1.8	✓								✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 68.

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2303
Bottom:		
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFS-5

UTC DATE y/m/d: 2000/03/10
CAST NUMBER: 47

SHIP: TULLY

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		DMS				
1	206			0	1.7													
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

TimeLOCUTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: SP54

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 48

SHIP: Tully

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		DMS				
1	207			0	2.2	✓								✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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22																		
23																		
24																		

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 139

Cast # down: 048
Cast # up: 048

Time	LOC	UTC
Begin:		0020
Bottom:		0023
End:		0026

START POSITION (GPS)
LAT: 48° 12.12
LONG: 123° 42.56

BOTTOM POSITION (GPS)
LAT: 48° 12.05
LONG: 123° 42.50

END POSITION (GPS)
LAT: 48° 12.01
LONG: 123° 42.53

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: TFS3

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 049

SHIP: TULLY

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		DMS					
1	208			0	2.2	✓							✓					
2																		
3																		
4																		
5																		
6																		
7																		
8																		
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22																		
23																		
24																		

ENTERED BY: JE
CHECKED BY:

Bottom Depth:

Cast # down: 049
Cast # up: 049

Time	LOC	UTC
Begin:		0106
Bottom:		0109
End:		0111

START POSITION (GPS)
LAT: 48° 10.61
LONG: 123° 34.89

BOTTOM POSITION (GPS)
LAT: 48° 10.58
LONG: 123° 34.58

END POSITION (GPS)
LAT: 48° 10.58
LONG: 123° 34.49

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFS2

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 050

SHIP: Tully

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		DMS						
1	209			0	1.5	✓								✓						
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
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23																				
24																				

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 111

Cast # down: 050
Cast # up: 050

Time	LOC	UTC
Begin:		0147
Bottom:		0149
End:		0152

START POSITION (GPS)
LAT: 48° 10.51
LONG: 123° 27.21

BOTTOM POSITION (GPS)
LAT: 48° 10.51
LONG: 123° 27.22

END POSITION (GPS)
LAT: 48° 10.52
LONG: 123° 27.24

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFS1

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 51

SHIP: TULLY

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		DM5					
1	210			0	2.0	✓							✓					
2																		
3																		
4																		
5																		
6																		
7																		
8																		
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22																		
23																		
24																		

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 57

Cast # down: 51
Cast # up: 51

Time	LOC	UTC
Begin:		0231
Bottom:		0233
End:		0234

START POSITION (GPS)
LAT: 48 09.29
LONG: 123 19.95

BOTTOM POSITION (GPS)
LAT: 48 09.28
LONG: 123 19.95

END POSITION (GPS)
LAT: 48° 09.29
LONG: 123° 19.96

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFM1

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 052

SHIP: TULLY

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		DMS				
1	211			0	2.2	✓								✓				
2																		
3																		
4																		
5																		
6																		
7																		
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24																		

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 122

Cast # down: 052
Cast # up: 052

Time	LOC	UTC
Begin:		0307
Bottom:		0310
End:		

START POSITION (GPS)
LAT: 48° 12.83
LONG: 123° 19.93

BOTTOM POSITION (GPS)
LAT: 48° 12.82
LONG: 123° 19.91

END POSITION (GPS)
LAT: 48° 12.80
LONG: 123° 19.92

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFM2

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 053

SHIP: TULLY

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		DMS				
1	212			0	1.0									✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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24																		

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 147

Cast # down: 053
Cast # up: 053

Time	LOC	UTC
Begin:		0416
Bottom:		0420
End:		0424

START POSITION (GPS)
LAT: 48°13.69
LONG: 123°27.22

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFM3

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 054

SHIP: Tully

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	213			0	1.0												✓	
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
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24																		

ENTERED BY: DJ3
CHECKED BY:

Bottom Depth: 156

Cast # down: 054
Cast # up: 054

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFM4

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 055

SHIP: Tully

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		DM				
1	215			0	~1									✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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23																		
24																		

ENTERED BY: DJJ
CHECKED BY:

Bottom Depth: 176

Cast # down: 055
Cast # up: 055

Time	LOC	UTC
Begin:		0555
Bottom:		0559
End:		0603

START POSITION (GPS)
LAT: 48 15.09
LONG: 123 42.54

BOTTOM POSITION (GPS)
LAT: 48°15.18
LONG: 123°42.62

END POSITION (GPS)
LAT: 48 15.24
LONG: 123° 42.68

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFM5

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 056

SHIP: Tully

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	216			0	1.4															
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
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15																				
16																				
17																				
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19																				
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22																				
23																				
24																				

ENTERED BY: OJS
CHECKED BY:

Bottom Depth: 166

Cast # down: 056
Cast # up: 056

Time	LOC	UTC
Begin:		0642
Bottom:		0647
End:		0652

START POSITION (GPS)
LAT: 48 15.82
LONG: 123 49.82

BOTTOM POSITION (GPS)
LAT: 48 15.79
LONG: 123 49.92

END POSITION (GPS)
LAT: 48 15.79
LONG: 123 49.95

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFM6

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 057

SHIP: Tully

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		Om						
1	218			0										✓						
2	219			0										✓						
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
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23																				
24																				

ENTERED BY: OJS
CHECKED BY:

Bottom Depth: 184

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0728
Bottom:		0733
End:		0739

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFM 7

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 058

SHIP: Tully

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

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

1	220			180		✓	✓						✓		
2	221			175		✓	✓								
3	222			0	20	✓									
4															
5															
6															
7															
8															
9															
10															
11															
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13															
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15															
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18															
19															
20															
21															
22															
23															
24															

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0814
Bottom:		
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: IFM 8

UTC DATE y/m/d: 2000-03-11
CAST NUMBER: 59

SHIP: TULLY

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			DMS					
1	223			185		✓	✓													
2	224			175		✓	✓													
3	225			0	1.3	✓							✓							
4																				
5																				
6																				
7																				
8																				
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21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0901
Bottom:		090.5
End:		0911

START POSITION (GPS)
LAT: 4820.51
LONG: 12410.58

BOTTOM POSITION (GPS)
LAT: 20.49
LONG: 10.66

END POSITION (GPS)
LAT: 20.48
LONG: 10.79

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: SFM 9

UTC DATE y/m/d: 2000-03-11
CAST NUMBER: 60

SHIP: TULLY

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		Dms				
1	226			0	1.8	✓								✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
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23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0949
Bottom:		0954
End:		

START POSITION (GPS)
LAT: 48 22.41
LONG: 124 17.54

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFM 10

UTC DATE y/m/d: 2000-03-11
CAST NUMBER: 61

SHIP: TULLY

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

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

1	327			0	2.6	✓								✓		
2																
3																
4																
5																
6																
7																
8																
9																
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24																

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:		1058

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFM 11

UTC DATE y/m/d: 2000-03-11
CAST NUMBER: 62

SHIP: TULLY

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

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

1	228			0	3.0	✓													
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
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19																			
20																			
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22																			
23																			
24																			

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 243

Cast # down: 062
Cast # up: 062

Time	LOC	UTC
Begin:		1201
Bottom:		1205
End:		1210

START POSITION (GPS)
LAT: 48° 26.53
LONG: 124° 31.04

BOTTOM POSITION (GPS)
LAT: 48° 26.48
LONG: 124° 31.02

END POSITION (GPS)
LAT: 48° 26.44
LONG: 124° 31.00

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFN11

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 063

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	229			0	2.1	✓								✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 141

Cast # down: 063
Cast # up: 063

Time	LOC	UTC
Begin:		1252
Bottom:		1255
End:		

START POSITION (GPS)
LAT: 48° 30.76
LONG: 124° 31.00

BOTTOM POSITION (GPS)
LAT: 48° 30.72
LONG: 124° 30.95

END POSITION (GPS)
LAT: 48° 30.69
LONG: 124° 30.89

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFN10

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 064

SHIP: TULLY

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 121

Cast # down: 064
Cast # up: 064

Time	LOC	UTC
Begin:		1331
Bottom:		1334
End:		

START POSITION (GPS)
LAT: 48° 29.04
LONG: 124° 24.34

BOTTOM POSITION (GPS)
LAT: 48° 28.99
LONG: 124° 24.26

END POSITION (GPS)
LAT: 48° 28.95
LONG: 124° 24.20

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	230			0	1.3	✓											✓	
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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21																		
22																		
23																		
24																		

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFN9

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 065

SHIP: TULLY

ENTERED BY: JE
CHECKED BY:

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		DM					
1	231			0	2.1	✓							✓					
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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18																		
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21																		
22																		
23																		
24																		

Bottom Depth: 113

Cast # down: 065

Cast # up: 065

Time	LOC	UTC
Begin:		1416
Bottom:		1419
End:		1421

START POSITION (GPS)	
LAT:	48° 26.57
LONG:	124° 17.49

BOTTOM POSITION (GPS)	
LAT:	48° 26.57
LONG:	124° 17.49

END POSITION (GPS)	
LAT:	48° 26.57
LONG:	124° 17.48

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFN8

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 066

SHIP: TULLY

ENTERED BY: JE
CHECKED BY:

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		DMS				
1	232			0	1.9	✓								✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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22																		
23																		
24																		

Bottom Depth: 105

Cast # down: 066
Cast # up: 066

Time	LOC	UTC
Begin:	1505	
Bottom:	1509	
End:	1511	

START POSITION (GPS)
LAT: 48° 24.66
LONG: 124° 09.48

BOTTOM POSITION (GPS)
LAT: 48° 24.66
LONG: 124° 09.49

END POSITION (GPS)
LAT: 48° 24.66
LONG: 124° 09.50

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFN7

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 067

SHIP: TULLY

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		DM				
1	233			0	2.4									✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
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24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 117

Cast # down: 067

Cast # up: 067

Time LOC UTC
Begin:
Bottom:
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFNG

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 068

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth
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[illegible]

ENTERED BY: DJS

CHECKED BY: _____

Bottom Depth: 130

Cast # down: 068

Cast # up: 068

Time	LOC	UTC
Begin:		1636
Bottom:		1638
End:		1641

START POSITION (GPS)	
LAT:	48 20.95
LONG:	123 57.37

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)	
LAT:	48 20.93
LONG:	123 57.41

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFN5

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 069

SHIP: Tully

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 169

Cast # down: 069
Cast # up: 069

Time	LOC	UTC
Begin:		1732
Bottom:		1736
End:		1740

START POSITION (GPS)
LAT: 48 19 52
LONG: 123 49.84

BOTTOM POSITION (GPS)
LAT: 48 19.53
LONG: 123 49.87

END POSITION (GPS)
LAT: 48 19.54
LONG: 123 49.90

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		0m				
1	235			0	1.3									✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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24																		

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFN4

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 070

SHIP: Tully

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	236			0	1.8													
2																		
3																		
4																		
5																		
6																		
7																		
8																		
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22																		
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24																		

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 166

Cast # down: 070
Cast # up:

Time	LOC	UTC
Begin:		1824
Bottom:		1829
End:		1833

START POSITION (GPS)
LAT: 48 18 19
LONG: 123 42.45

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48 18.09
LONG: 123 42.31

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFN3

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 71

SHIP: Tully

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

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

1	237			0	1.0		✓					✓					
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
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19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: OJS
CHECKED BY:

Bottom Depth: 180

Cast # down: 071
Cast # up: 071

Time	LOC	UTC
Begin:		1928
Bottom:		1933
End:		1936

START POSITION (GPS)
LAT: 48 16.01
LONG: 123 35.28

BOTTOM POSITION (GPS)
LAT: 48 16.03
LONG: 123 35.29

END POSITION (GPS)
LAT: 48 16.04
LONG: 123 35.34

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFN2

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 72

SHIP: TULLY

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		DMS				
1	238			0										✓				
2	239			0										✓				
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 105

Cast # down: 72
Cast # up: 72

Time	LOC	UTC
Begin:		2044
Bottom:		2047
End:		2050

START POSITION (GPS)
LAT: 48 19.45
LONG: 123 27.19

BOTTOM POSITION (GPS)
LAT: 48 19.42
LONG: 123 27.18

END POSITION (GPS)
LAT: 48 19.42
LONG: 123 27.17

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: SPN 1

UTC DATE y/m/d: 2000/03/11
CAST NUMBER: 73

SHIP: Tully

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		BMS				
1	240			0.	1.7	✓								✓				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
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23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 111

Cast # down: 73
Cast # up: 73

Time	LOC	UTC
Begin:		21:41
Bottom:		21:44
End:		21:47

START POSITION (GPS)
LAT: 48 22.52
LONG: 123 19.92

BOTTOM POSITION (GPS)
LAT: 48 22.53
LONG: 123 19.91

END POSITION (GPS)
LAT: 48 22.54
LONG: 123 19.94

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: EF13

UTC DATE y/m/d: 2000/03/12
CAST NUMBER: 74

SHIP: Tully

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	241	5.684		80-5	198	✓												
2	242	5.020		75		✓												
3	243	5.518		50		✓												
4	244	5.721		40		✓												
5	245	6.292		30		✓												
6	246	6.507		20		✓												
7	247	6.929		10		✓												
8	248	7.231		0	1.7	✓												
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 108

Cast # down: 74
Cast # up: 74

Time	LOC	UTC
Begin:		1316
Bottom:		1319
End:		1328

START POSITION (GPS)
LAT: 48 56.51
LONG: 125° 10.69

BOTTOM POSITION (GPS)
LAT: 48° 56.50
LONG: 125° 10.69

END POSITION (GPS)
LAT: 48° 56.46
LONG: 125° 10.70

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: EF12

UTC DATE y/m/d: 2000/03/12
CAST NUMBER: 075

SHIP: Tully

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	249	4.970		30-5	90	✓												
2	250	4.893		75		✓												
3	251	5.456		50		✓												
4	252	5.732		40		✓												
5	253	6.198		30		✓												
6	254	6.511		20		✓												
7	255	6.908		10		✓												
8	256	7.250		0	1.6	✓												
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 98

Cast # down: 75
Cast # up: 75

Time	LOC	UTC
Begin:		1403
Bottom:		1405
End:		1413

START POSITION (GPS)
LAT: 48° 57.98
LONG: 125° 10.51

BOTTOM POSITION (GPS)
LAT: 48° 57.97
LONG: 125° 10.50

END POSITION (GPS)
LAT: 48° 57.94
LONG: 125° 10.46

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: EF11

UTC DATE y/m/d: 2000/03/12
CAST NUMBER: 76

SHIP: TULLY

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	257	5.102		30-5	83	✓												
2	258	4.899		50		✓												
3	259	5.444		40		✓												
4	260	5.888		30		✓												
5	261	6.324		20		✓												
6	262	6.693		10		✓												
7	263	7.240		0	1.3	✓												
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JE
CHECKED BY:

Bottom Depth:

Cast # down: 76
Cast # up: 76

Time	LOC	UTC
Begin:		1444
Bottom:		1446
End:		1452

START POSITION (GPS)
LAT: 48° 59.10
LONG: 125° 11.01

BOTTOM POSITION (GPS)
LAT: 48° 59.10
LONG: 125° 11.00

END POSITION (GPS)
LAT: 48° 59.08
LONG: 125° 10.95

Comments:

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	26A	4.776		Bo-5	100	✓	✓	↑										
2	265	4.746		75		✓	✓											
3	266	4.956		50		✓												
4	267	5.253		40		✓												
5	268	5.687		30		✓												
6	269	6.332		20		✓												
7	270	6.759		10		✓												
8	271	7.157		0	1.5	✓		↓										
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: JE

CHECKED BY:

Bottom Depth:

Cast # down: 77

Cast # up: 77

Time	LOC	UTC
Begin:		1511
Bottom:		1514
End:		1522

START POSITION (GPS)

LAT: 48° 59.83

LONG: 125° 11.22

BOTTOM POSITION (GPS)

LAT: 48° 59.83

LONG: 125° 11.22

END POSITION (GPS)

LAT: 48° 59.83

LONG: 125° 11.24

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: EF9

UTC DATE y/m/d: 2000/03/12
CAST NUMBER: 78

SHIP: TULLY

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	272			30.5	58	✓											4958	
2	273			40		✓											5200	
3	274			30		✓											5651	
4	275			20		✓											6272	
5	276			10		✓											6630	
6	277			0		✓											7301	
7																	3	
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 62

Cast # down: 78
Cast # up: 78

Time	LOC	UTC
Begin:		1539
Bottom:		1541
End:		1549

START POSITION (GPS)
LAT: 48° 0.10
LONG: 125° 10.84

BOTTOM POSITION (GPS)
LAT: 0.08
LONG: 10.84

END POSITION (GPS)
LAT: 0.10
LONG: 10.85

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: EF08UTC DATE y/m/d: 2000/03/12
CAST NUMBER: 79SHIP: TULLY

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	278			20.5		✓		↑									3317	* on 16
2	279			70		✓											4.036	78
3	280			60		✓											4.521	
4	281			50		✓											4.833	
5	282			40		✓											5.061	
6	283			30		✓											6.001	
7	284			20		✓											6.172	
8	285			10		✓		↓									6.637	
9	286			0		✓		✓									7.314	
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: JE
CHECKED BY:Bottom Depth: 86Cast # down: 79Cast # up: 79

Time	LOC	UTC
Begin:		1607
Bottom:		1609
End:		1618

START POSITION (GPS)		
LAT:	49°	0.67
LONG:	125°	10.23

BOTTOM POSITION (GPS)		
LAT:		0.67
LONG:		10.25

END POSITION (GPS)		
LAT:		0.67
LONG:		10.30

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: EFO74

UTC DATE y/m/d: 2000/03/12
CAST NUMBER: 80

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		Cl3						
1	287	0.648		Bot-5		✓	✓											
2	288	1.110		100		✓												
3	289	3.354		75		✓												
4	290	4.800		50		✓												
5	291	4.887		40		✓												
6	292	5.332		30		✓												
7	293	5.980		20		✓												
8	294	6.676		10		✓												
9	295	7.292		0		✓												
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 80
Cast # up: 80

Time	LOC	UTC
Begin:		1641
Bottom:		1644
End:		1654

START POSITION (GPS)

LAT:	49	0.87
LONG:	125°	9.85

BOTTOM POSITION (GPS)

LAT:		0.89
LONG:		9.87

END POSITION (GPS)

LAT:		0.86
LONG:		9.86

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: EF07

UTC DATE y/m/d: 2000/03/12
CAST NUMBER: 81

SHIP: TULLY

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	296	0.900		Bo-5	112	✓		✓										
2	297	1.061		100		✓												
3	298	3.083		75		✓												
4	299	4.662		50		✓												
5	300	4.831		40		✓												
6	301	5.482		30		✓												
7	302	6.152		20		✓												
8	303	6.521		10		✓												
9	304	7.231		0		✓		✓										
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 118

Cast # down: 81
Cast # up: 81

Time	LOC	UTC
Begin:		1710
Bottom:		1719
End:		1730

START POSITION (GPS)
LAT: 49 1.23
LONG: 125 9.44

BOTTOM POSITION (GPS)
LAT: 1.23
LONG: 9.45

END POSITION (GPS)
LAT: 1.23
LONG: 9.44

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: EF 06UTC DATE y/m/d: 2000/03/12
CAST NUMBER: 82SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	305	0.725		305-5	145	✓	✓	↑										
2	306	0.692		140		✓	✓											
3	307	0.721		130		✓	✓											
4	308	0.734		120		✓												
5	309	0.885		110		✓												
6	310	1.008		100		✓												
7	311	1.745		90		✓												
8	312	2.660		80		✓												
9	313	3.769		70		✓												
10	314	4.285		60		✓												
11	315	4.545		50		✓												
12	316	4.749		40		✓												
13	317	5.263		30		✓												
14	318	6.004		20		✓												
15	319	6.709		10		✓												
16	320	8.115		0		✓		↓										
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1753

Bottom: 1757

End: 1815

START POSITION (GPS)

LAT: 49 1.76

LONG: 125 9.17

BOTTOM POSITION (GPS)

LAT: 1.77

LONG: 9.14

END POSITION (GPS)

LAT: 1.82

LONG: 9.11

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: EF 05AUTC DATE y/m/d: 2000/03/12
CAST NUMBER: 83SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	321	0.708		BOT-5	184	✓	✓	✓										
2	322	0.617		175		✓	✓											
3	323	0.826		150		✓	✓											
4	324	0.859		125		✓												
5	325	1.059		100		✓												
6	326	3.190		75		✓												
7	327	4.462		50		✓												
8	328	4.707		40		✓												
9	329	5.245		30		✓												
10	330	6.042		20		✓												
11	331	6.513		10		✓												
12	332	7.401		0		✓		✓										
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:Bottom Depth: 187Cast # down: 083

Cast # up:

Time	LOC	UTC
Begin:		1840
Bottom:		1844
End:		

START POSITION (GPS)		
LAT:	49°	2.15
LONG:	125°	9.14

BOTTOM POSITION (GPS)		
LAT:		2.15
LONG:		9.12

END POSITION (GPS)		
LAT:		2.17
LONG:		9.06

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: EF 05UTC DATE y/m/d: 2000/03/12
CAST NUMBER: 84

SHIP: TULLY

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	333	0.246		BOT-5	200	✓	✓	✓										
2	334	0.364		190		✓												
3	335	0.657		180		✓	✓											
4	336	0.820		170		✓												
5	337	0.884		160		✓	✓											
6	338	0.940		150		✓												
7	339	0.951		140		✓												
8	340	0.994		130		✓												
9	341	0.986		120		✓												
10	342	1.081*	✓	110		✓											check is ground	
11	343	1.090		100		✓												
12	344	1.679		90		✓												
13	345	2.648		80		✓												
14	346	3.626		70		✓												
15	347	4.033		60		✓												
16	348	4.438		50		✓												
17	349	4.586		40		✓												
18	350	5.219		30		✓												
19	351	6.134		20		✓												
20	352	6.341		10		✓												
21	353	7.442		0				✓										
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 204

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1921

Bottom: 1926

End: 1950

START POSITION (GPS)

LAT: 49° 2.53

LONG: 125° 9.15

BOTTOM POSITION (GPS)

LAT: 2.51

LONG: 9.15

END POSITION (GPS)

LAT: 2.49

LONG: 9.16

Comments:

* Forget to add stirrer until later

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: EF 04A

UTC DATE y/m/d: 2000/03/12
CAST NUMBER: 85

SHIP: TULLY

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	354	0.713		BOT-5	186	✓	✓	✓										
2	355	0.719		175		✓	✓											
3	356	0.940		150		✓												
4	357	0.972		125		✓												
5	358	1.097		100		✓												
6	359	3.163		75		✓												
7	360	4.248		50		✓												
8	361			40		✓											5.078	
9	362			30		✓											5.241	
10	363			20		✓											5.864	
11	364			10		✓											6.547	
12	365			0		✓											7.431	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: Bm
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2012
Bottom:		2017
End:		2028

START POSITION (GPS)
LAT: 4902.89
LONG: 125 09.14

BOTTOM POSITION (GPS)
LAT: 4902.90
LONG: 125 09.13

END POSITION (GPS)
LAT: 62.88
LONG: 09.11

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: EF 04

UTC DATE y/m/d: 2000/03/17
CAST NUMBER: 86

SHIP: TOLLX

[illegible]

ENTERED BY:
CHECKED BY:

Bottom Depth: 56

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		2046
Bottom:		2048
End:		2053

START POSITION (GPS)	
LAT:	4903.11
LONG:	12508.54

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)	
LAT:	49° 03.12
LONG:	125° 08.55

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: EF 03A

UTC DATE y/m/d: 2000/03/12
CAST NUMBER: 87

SHIP: TULLY

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

ROSETTE OPERATION		Samples taken													
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
			OXY		CHL		C13		1/4						

1	372			BOT-5	77.	✓			✓						.330
2	373			75		✓									.197
3	374			50		✓									1.953
4	375			40		✓									4448
5	376			30		✓									5.038
6	377			20		✓				✓					5.731
7	378			10		✓									6.540
8	379			0	1.6	✓			✓						7.589
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:
CHECKED BY:

Bottom Depth: 81

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2113
Bottom:		2115
End:		

START POSITION (GPS)
LAT: 4903.83
LONG: 125 09.05

BOTTOM POSITION (GPS)
LAT: 384
LONG: 9.05

END POSITION (GPS)
LAT: 03.82
LONG: 09.04

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: EF03

UTC DATE y/m/d: 2000/02/12
CAST NUMBER: 88

SHIP: TULLY

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

ROSETTE OPERATION		Samples taken														02	
Trip	Confirmed	SAL		NUT		ALK		TCO									
pressure	Salinity		OXY		CHL		C13		PH								

1	380			BOT-5	113	✓	✓	✓								.060	
2	381			100		✓	✓						✓			.061	
3	382			90		✓										.082	
4	383			80		✓										.088	
5	384			70		✓										.212	
6	385			60		✓										.451	
7	386			50		✓										1.985	
8	387			40		✓										4.004	
9	388			30		✓										4.836	
10	389			20		✓										5.645	
11	390			10		✓										6.386	
12	391			0	1.5	✓		✓								7.788	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:
CHECKED BY:

Bottom Depth: 121

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2134
Bottom:		2137
End:		2147

START POSITION (GPS)
LAT: 4904.24
LONG: 12509.39

BOTTOM POSITION (GPS)
LAT: 4.24
LONG: 9.40

END POSITION (GPS)
LAT: 4.23
LONG: 940

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: EFO2A

UTC DATE y/m/d: 2000/03/12
CAST NUMBER: 89

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										02	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	392			BOT-5	99	✓		✓									.085	
2	393			90		✓											.083	
3	394			80		✓											.066	
4	395			70		✓											.088	
5	396			60		✓											.355	
6	397			50		✓											2.579	
7	398			40		✓											4.301	
8	399			30		✓											4.882	
9	400			20		✓											5.532	
10	401			10		✓											6.442	
11	402			0	1.9	✓		✓									7.389	
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2203
Bottom:		2207
End:		2216

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 4.51
LONG: 9.78

END POSITION (GPS)
LAT: 4.52
LONG: 9.76

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: EF02

UTC DATE y/m/d: 2000/03/12
CAST NUMBER: 90

SHIP:

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

ROSETTE OPERATION		Samples taken												O ₂	
Trip	Confirmed	SAL		NUT		ALK		TCO							
pressure	Salinity		OXY		CHL		C13		PH						
1	403			bot-5	67	✓								.740	
2	404			50		✓								2.609	
3	405			40		✓								3.600	
4	406			30		✓								3.948	
5	407			20		✓				✓				4.894	
6	408			10		✓								6.159	
7	409			0	16	✓								7.123	
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:
CHECKED BY:

Bottom Depth: 69

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2234
Bottom:		2236
End:		2242

START POSITION (GPS)
LAT: 4905.01
LONG: 12510.32

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 05.03
LONG: 10.30

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: EFO1

UTC DATE y/m/d: 2000/03/12
CAST NUMBER: 91

SHIP: TULLY

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	410			BOT-5	32.	✓		✓									2.801	
2	411			20		✓		↓									3.830	
3	412			10		✓											6.947	
4	413			0	1.9	✓		✓									8.370	
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 35

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2311
Bottom:		2313
End:		2316

START POSITION (GPS)
LAT: 4905.54
LONG: 125 11.64

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 05.54
LONG: 11.64

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: A5

UTC DATE y/m/d: 2000/03/13
CAST NUMBER: 92

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT	ALK		TCO						
								OXY	CHL		C13		PH					
1	414			Bot-10	353	✓	↑	↑					X					
2	415			300		✓							X					
3	416			250		✓	✓						X			1.482		
4	417			200		✓	✓						X			1.500		
5	418			175		✓										1.662		
6	419			150		✓							X			1.932		
7	420			125		✓										2.274		
8	421			100		✓							X			3.543		
9	422			75		✓										4.188		
10	423			50		✓							X			4.515		
11	424			40		✓										4.296		
12	425			30		✓							X			4.677		
13	426			20		✓										5.900		
14	427			10		✓							X			6.804		
15	428			0	1.4	✓			↓				X			7.280		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JE
CHECKED BY:

Bottom Depth: 361

Cast # down: 92
Cast # up: 92

Time	LOC	UTC
Begin:		0210
Bottom:		0217
End:		

START POSITION (GPS)
LAT: 48° 59.59
LONG: 124° 53.40

BOTTOM POSITION (GPS)
LAT: 48° 59.60
LONG: 124° 53.42

END POSITION (GPS)
LAT: 48° 59.59
LONG: 124° 53.53

Comments:

ROSETTE LOG

MISSION ID: 2000 02
STATION NAME: JFB4

UTC DATE y/m/d: 2000/03/13
CAST NUMBER: 100

SHIP:

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

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

1	429				130	✓	✓								
2	430				125	✓	✓								
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:
CHECKED BY:

Bottom Depth: 133

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2120
Bottom:		
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS).
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: SEBZ

UTC DATE y/m/d: 2000/03/13
CAST NUMBER: 102

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	431				189	✓	✓											
2	432				185	✓	✓											
3	433				186	✓	✓											
4	434				5	✓	✓											
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 191

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2237
Bottom:		
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFC 1

UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 104

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	435	5.572		BOT 5	55	✓		✓										
2	436	5.574		50		✓												
3	437	5.620		40		✓												
4	438	5.624		30		✓												
5	439	5.635		20		✓												
6	440	5.617		10		✓												
7	441	5.739		0	1.6	✓		✓										
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JC
CHECKED BY:

Bottom Depth: 61

Cast # down: 104

Cast # up: 104

Time	LOC	UTC
Begin:		0002
Bottom:		0004
End:		0010

START POSITION (GPS)
LAT: 48° 20.18
LONG: 123° 44.99

BOTTOM POSITION (GPS)
LAT: 48° 20.15
LONG: 123° 44.97

END POSITION (GPS)
LAT: 48° 20.07
LONG: 123° 44.99

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFC 2

UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 105

SHIP: TULLY

[illegible]

ENTERED BY:	je
CHECKED BY:	

Bottom Depth: 172

Cast # down:	105
Cast # up:	105

Time	LOC	UTC
Begin:		0028
Bottom:		0032
End:		

START POSITION (GPS)	
LAT:	48° 18.49
LONG:	123° 45.05

BOTTOM POSITION (GPS)	
LAT:	48° 18.52
LONG:	123° 44.97

END POSITION (GPS)	
LAT:	18.52
LONG:	44.87

Comments:

* logged as SFCI #104
* went to 110% started over. First go dispensed .188 ml.

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: SFC_3

UTC DATE y/m/d: 2000/02/14
CAST NUMBER: 106

SHIP: TULLY

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	453	3.508		BOT-5	175	✓	✓	✓										
2	454	3.919		150		✓												
3	455	4.252		125		✓												
4	456	4.724		100		✓												
5	457	4.933		75		✓												
6	458	5.119		50		✓												
7	459	5.197		40		✓												
8	460	5.222		30		✓												
9	461	5.241		20		✓												
10	462	5.271		10		✓												
11	463	5.245		0	1.3	✓		✓										
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 182

Cast # down: 106
Cast # up:

Time	LOC	UTC
Begin:		0108
Bottom:		0114
End:		0128

START POSITION (GPS)
LAT: 48° 16.54
LONG: 123° 45.02

BOTTOM POSITION (GPS)
LAT: 16.53
LONG: 45.10

END POSITION (GPS)
LAT: 16.62
LONG: 44.99

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFC4UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 107SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	464			BOT-5	165	✓		✓									3.700	
2	465			150		✓											3.683	
3	466			125		✓											4.199	
4	467			100		✓											4.601	
5	468			75		✓											5.170	
6	469			50		✓											5.317	
7	470			40		✓											5.340	
8	471			30		✓											5.556	
9	472			20		✓											5.398	
10	473			10		✓											5.461	
11	474			0	1.2	✓		✓									5.636	
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JE
CHECKED BY:Bottom Depth: 170Cast # down: 107Cast # up: 107

Time	LOC	UTC
Begin:		0150
Bottom:		0154
End:		0204

START POSITION (GPS)	
LAT:	48° 14.40
LONG:	123° 44.99

BOTTOM POSITION (GPS)	
LAT:	14.41
LONG:	44.99

END POSITION (GPS)	
LAT:	14.42
LONG:	44.95

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFC5

UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 108

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												02	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
1	475			BOT-5	134	✓	✓												4.058	
2	476			125		✓													4.051	
3	477	1170		100		✓													4.468	
4	478			75		✓													4.941	
5	479	1176		50		✓													5.241	
6	480	1177		40		✓													5.313	
7	481	1180		30		✓													5.348	
8	482			20		✓													5.441	
9	483			10		✓													5.719	
10	484	1190		0	1.4	✓	✓												5.692	
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: JC
CHECKED BY:

Bottom Depth: 138

Cast # down: 108
Cast # up: 108

Time	LOC	UTC
Begin:		0226
Bottom:		0229
End:		

START POSITION (GPS)
LAT: 48° 12.29
LONG: 123° 44.86

BOTTOM POSITION (GPS)
LAT: 48° 12.30
LONG: 123° 44.86

END POSITION (GPS)
LAT: 12.25
LONG: 44.92

Comments: ~~Logged data JFC1 #109~~

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFCG

UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 109

SHIP: TULLY

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					02	
1	485	1191		Bo-5	48	✓		↑									5.237	
2	486	1192		40		✓											5.301	
3	487	1193		30		✓											5.456	
4	488	1194		20		✓											5.509	
5	489	1195		10		✓											5.555	
6	490	1197		0		✓		↓									5.647	
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JE
CHECKED BY:

Bottom Depth:

Cast # down: 109
Cast # up: 109

Time	LOC	UTC
Begin:		0258
Bottom:		0259
End:		

START POSITION (GPS)
LAT: 48° 10.39
LONG: 123° 44.92

BOTTOM POSITION (GPS)
LAT: 48° 10.41
LONG: 123° 44.91

END POSITION (GPS)
LAT: 48° 10.41
LONG: 123° 44.90

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JF05

UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 112

SHIP: Tully

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	491			175	175		✓											
2	492			156	156		✓											
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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22																		
23																		
24																		

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 182

Cast # down: 112
Cast # up: 112

Time	LOC	UTC
Begin:		0516
Bottom:		
End:		0526

START POSITION (GPS)
LAT: 48 15.72
LONG: 124 00.01

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48 15.67
LONG: 124 00.00

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFD4

UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 113

SHIP: Tully

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

ROSETTE OPERATION		Samples taken													
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
			OXY		CHL		C13								
1	493				?										
2	494				?										
3	495				155	155									
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 190

Cast # down: 113
Cast # up: 113

Time LOC UTC
Begin: 0545
Bottom:
End: 0559

START POSITION (GPS)
LAT: 48 17.70
LONG: 124 00.03

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48 17.82
LONG: 123 59.85

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFE1

UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 117

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										02	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	496	1203		bot-10	22	✓		✓									6.096	
2	497	1204		10		✓		✓									6.196	
3	498	1206		0	2.1	✓		✓									6.234	
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
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20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 30

Cast # down: 117
Cast # up:

Time	LOC	UTC
Begin:		0858
Bottom:		0859
End:		

START POSITION (GPS)
LAT: 4827.24
LONG: 124 14.98

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFE2

UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 118

SHIP: TULLY

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	499	1209		BOT-5	135	✓	✓	✓											3.185	
2	500	1210		125		✓	✓												3.197	
3	501	1212		100		✓													3.592	
4	502	1215		75		✓													4.525	
5	503	1216		50		✓													5.197	
6	504	1218		40		✓													5.308	
7	505	1219		30		✓													5.825	
8	506	1222		20		✓													6.120	
9	507	1223		10		✓													6.193	
10	508			0	1.3	✓	✓												6.239	
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 137

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0930
Bottom:		
End:		0943

START POSITION (GPS)
LAT: 48 25.18
LONG: 124 14.93

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48 25 15
LONG: 124 14.93

Comments:

ROSETTE LOG

MISSION ID: 2000-02

UTC DATE y/m/d: 2000/03/14

STATION NAME: SFE3

CAST NUMBER: 119

SHIP: TULLY

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						02	
1	509	1225		BOT-5	181	✓		✓									3.104	
2	510	1228		150		✓											3.165	
3	511	1230		125		✓											3.698	
4	512	1231		100		✓											4.216	
5	513	1233		75		✓											4.719	
6	514	1234		50		✓											5.325	
7	515	1235		40		✓											5.404	
8	516	1237		30		✓											5.875	
9	517	1238		20		✓											6.387	
10	518	1240		10		✓											6.447	
11	519	1241		0		✓		✓									6.463	
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 184

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1639

Bottom: 1043

End: 1116

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 4823.20

LONG: 12415.16

END POSITION (GPS)

LAT: 4823.19

LONG: 12415.33

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFE4UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 120SHIP: TULLYNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												02	
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
			OXY		CHL		C13								
1	520	1243		BOT-5	221	✓		✓	✓					2.923	
2	521	1244		200		✓		✓	1					2.940	
3	522	1247		175		✓		✓						2.965	
4	523	1248		150		✓								3.060	
5	524	1249		125		✓								3.745	
6	525	1251		100		✓								4.308	
7	526	1254		75		✓								5.055	
8	527			50		✓								5.259	
9	528			40		✓								5.440	
10	529			30		✓								5.572	
11	530			20		✓								6.715	*
12	531			10		✓								6.367	
13	532			0		✓								6.449	
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:

CHECKED BY:

Bottom Depth: 226Cast # down: 120Cast # up: 120

Time	LOC	UTC
Begin:		1123
Bottom:		1128
End:		1139

START POSITION (GPS)	
LAT:	48° 21.19
LONG:	124° 15.08

BOTTOM POSITION (GPS)	
LAT:	48° 21.14
LONG:	124° 15.11

END POSITION (GPS)	
LAT:	48° 21.06
LONG:	124° 15.22

Comments:

* Over ranged on %T

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFES

UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 121

SHIP: TULLY

Niskin No.	Sample No.	m/L OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
							OXY		CHL		C13							
1	533	2.956		BOT-5	205	✓		✓										
2	534	2.993		200		✓												
3	535	2.967		175		✓												
4	536	3.039		150		✓												
5	537	3.904		125		✓												
6	538	4.793		100		✓												
7	539	5.081		75		✓												
8	540	5.332		50		✓												
9	541	5.626		40		✓												
10	542	5.856		30		✓												
11	543	6.229		20		✓												
12	544	6.433		10		✓												
13	545	6.453		0	1.2	✓		✓										
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 212

Cast # down: 121
Cast # up: 121

Time	LOC	UTC
Begin:		1203
Bottom:		1209
End:		1223

START POSITION (GPS)
LAT: 48° 19.27
LONG: 124° 15.13

BOTTOM POSITION (GPS)
LAT: 48° 19.27
LONG: 124° 15.29

END POSITION (GPS)
LAT: 19.39
LONG: 15.53

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFE6

UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 122

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	546	3.161		BOT-5	166	✓		✓										
2	547	3.262		150		✓												
3	548	3.594		125		✓												
4	549	4.269		100		✓												
5	550	4.939		75		✓												
6	551	5.167		50		✓												
7	552	5.243		40		✓												
8	553	5.320		30		✓												
9	554	5.740		20		✓												
10	555	6.107		10		✓												
11	556	6.200		0	1.4	✓		✓										
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JC
CHECKED BY:

Bottom Depth: 172

Cast # down: 122
Cast # up: 122

Time	LOC	UTC
Begin:		1257
Bottom:		1302
End:		1313

START POSITION (GPS)
LAT: 48° 17.56
LONG: 124° 15.09

BOTTOM POSITION (GPS)
LAT: 48° 17.56
LONG: 124° 15.20

END POSITION (GPS)
LAT: 17.60
LONG: 15.45

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFE7

UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 123

SHIP: TULLY

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

ROSETTE OPERATION		Samples taken												O2	
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
			OXY		CHL		C13								
1	557	1291		BOT-5	96	✓								4.557	
2	558	1292		75		✓								4.800	
3	559			50		✓							OK	5.096	check
4	560	1294		40		✓								5.228	
5	561			30		✓								5.496	
6	562			20		✓								5.697	
7	563			10		✓								5.831	
8	564	1297		0	.8	✓		✓						5.880	
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:
CHECKED BY:

Bottom Depth: 103

Cast # down: 123
Cast # up: 123

Time	LOC	UTC
Begin:		1338
Bottom:		1341
End:		

START POSITION (GPS)
LAT: 48° 16.43
LONG: 124° 14.94

BOTTOM POSITION (GPS)
LAT: 48° 16.45
LONG: 124° 14.94

END POSITION (GPS)
LAT: 48 16.48
LONG: 124 14.96

Comments:

F7-31
F6-109
F5-213

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFF7

UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 124

SHIP: TULLY

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	565	1300		Bo-5	25	✓		↑									5.811	
2	566	1301		20		✓											5.965	
3	567			10		✓											5.963	
4	568			0	1.7	✓		↓									5.913	
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 32

Cast # down: 124
Cast # up: 124

Time	LOC	UTC
Begin:		1549
Bottom:		1551
End:		

START POSITION (GPS)
LAT: 21.00
LONG: 29.65

BOTTOM POSITION (GPS)
LAT: 48 20.98
LONG: 124 29.58

END POSITION (GPS)
LAT: 20.96
LONG: 29.50

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFFC

UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 125

SHIP: TULLY

opme
10061

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	569	1304		130.5	98	✓											4473	
2	570			75		✓											5.326	
3	571			50		✓											5.725	
4	572			40		✓											5.935	
5	573			30		✓							.987				5.903	check
6	574			20		✓											5.967	
7	575			10		✓											5.934	
8	576			0		✓											6.028	
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: DJF
CHECKED BY:

Bottom Depth: 105

Cast # down: 125
Cast # up: 125

Time	LOC	UTC
Begin:		1628
Bottom:		1630
End:		1639

START POSITION (GPS)
LAT: 48° 22.44
LONG: 124° 30.11

BOTTOM POSITION (GPS)
LAT: 22.44
LONG: 30.15

END POSITION (GPS)
LAT: 22.48
LONG: 30.20

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFF4

UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 127

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										02	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	577	1312.		Bo-5	222	✓											2.743	
2	578			200		✓											2.795	
3	579	1314		175		✓											2.883	
4	580			150		✓											3.505	
5	581			125		✓											3.787	
6	582	1317		100		✓											4.799	
7	583	1318		75		✓											5.204	
8	584			50		✓											5.758	
9	585			40		✓											5.562	
10	586			30		✓											5.726	
11	587			20		✓											5.770	
12	588			10		✓											6.039	
13	589			0		✓											6.094	
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 232

Cast # down: 127
Cast # up:

Time	LOC	UTC
Begin:		1832
Bottom:		1838
End:		1851

START POSITION (GPS)
LAT: 48° 26.73
LONG: 124° 30.34

BOTTOM POSITION (GPS)
LAT: 26.86
LONG: 30.48

END POSITION (GPS)
LAT: 26.91
LONG: 31.03

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFF3

UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 128

SHIP:

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

ROSETTE OPERATION		Samples taken													
Trip	Confirmed	SAL		NUT		ALK		TCO						02	
pressure	Salinity		OXY		CHL		C13								
1	590	1141		6.7-10	206	✓		↑						2.902	
2	591			175		✓								3.110	
3	592			150		✓								3.180	
4	593			125		✓								3.933	
5	594			100		✓								4.789	
6	595	1158		75		✓								5.469	
7	596			50		✓								5.582	
8	597			40		✓								5.371	
9	598			30		✓								5.510	
10	599			20		✓								5.719	
11	600			10		✓								5.883	
12	601			0		✓		↓						6.036	
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:
CHECKED BY:

Bottom Depth: 213

Cast # down: 128
Cast # up:

Time	LOC	UTC
Begin:		1919
Bottom:		1924
End:		1940

START POSITION (GPS)
LAT: 48° 28.51
LONG: 124° 29.89

BOTTOM POSITION (GPS)
LAT: 28.52
LONG: 29.83

END POSITION (GPS)
LAT: 28.59
LONG: 29.65

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFF2

UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 129

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	602			607-10	127	✓		✓									4.016	
2	603			125		✓											4.048	
3	604			100		✓											4.624	
4	605			75		✓											5.320	
5	606			50		✓											5.728	
6	607			40		✓											5.740	
7	608			30		✓											5.782	
8	609			20		✓											5.865	
9	610			10		✓											5.988	
10	611			0		✓		✓									6.397	
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:

Bottom Depth: 134.

Cast # down: 129
Cast # up:

Time LOC UTC
Begin:
Bottom: 2013
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 4830.60
LONG: 12429.98

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: SFF 1UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 130SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	NUT	ALK	TCO								
1	612			BOT-5	56	✓	✓										5.578	
2	613	1204		40		✓												
3	614			30		✓											5.914	
4	615			20		✓											5.960	
5	616			10		✓											6.037	
6	617			0		✓	✓										6.810	
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFM 10

UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 131

SHIP: TULLY

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	618			135	211	✓	✓	✓	✓								2.970	
2	619			125		✓	✓										2.968	
3	620			150		✓											3.679	
4	621			125		✓											4.092	
5	622			100		✓											4.945	
6	623			75		✓											5.214	
7	624			50		✓											5.278	
8	625			40		✓											5.370	
9	626			30		✓											5.999	
10	627			20		✓											6.129	
11	628			10		✓											6.327	
12	629			0		✓		✓									6.480	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 216

Cast # down:
Cast # up:

Time LOC UTC
Begin:
Bottom: 2204
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Maggie

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFM 9

UTC DATE y/m/d: 2000/03/14
CAST NUMBER: 132

SHIP: TULLY

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	630			135	202	✓	✓	✓											3.047	
2	631			175		✓	✓												3.032	
3	632			150		✓													3.173	
4	633			125		✓													4.014	
5	634			100		✓													4.734	
6	635			75		✓													4.989	
7	636			50		✓													5.397	
8	637			40		✓													5.665	
9	638			30		✓													5.797	
10	639			20		✓													5.871	
11	640			10		✓													5.929	
12	641			0	1.9	✓	✓												6.513	
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 208

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2308
Bottom:		2313
End:		2324

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 48 22-38
LONG: 124 17.50

END POSITION (GPS)
LAT: 22.41
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: SPM 8

UTC DATE y/m/d: 2000/03/15
CAST NUMBER: 133

SHIP: TULLY

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	642			BOT-5	185	✓		✓										
2	643			150		✓												
3	644			125		✓												
4	645			100		✓												
5	646			75		✓												
6	647			50		✓												
7	648			40		✓												
8	649			30		✓												
9	650			20		✓												
10	651			10		✓												
11	652			0	2.5	✓		✓										
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 191

Cast # down: 133
Cast # up: 133

Time	LOC	UTC
Begin:		0008
Bottom:		0012
End:		

START POSITION (GPS)
LAT: 48° 20.48
LONG: 124° 10.62

BOTTOM POSITION (GPS)
LAT: 48° 20.47
LONG: 124 10.54

END POSITION (GPS)
LAT: 48° 20.48
LONG: 124° 10.25

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFM7

UTC DATE y/m/d: 2000/03/15
CAST NUMBER: 134

SHIP: TULLY

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	653			BOT-5	183	✓		✓										
2	654			150		✓												
3	655			125		✓												
4	656			100		✓												
5	657			75		✓												
6	658			50		✓												
7	659			40		✓												
8	660			30		✓												
9	661			20		✓												
10	662			10		✓												
11	663			0	2.5	✓		✓										
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 189

Cast # down: 134
Cast # up: 134

Time	LOC	UTC
Begin:		0101
Bottom:		0109
End:		0121

START POSITION (GPS)
LAT: 48° 18.02
LONG: 124° 3.92

BOTTOM POSITION (GPS)
LAT: 17.87
LONG: 3.86

END POSITION (GPS)
LAT: 17.61
LONG: 03.87

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFM6UTC DATE y/m/d: 2000/03/15
CAST NUMBER: 135SHIP: TULLYNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken													
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
			OXY		CHL		C13								
1	664			BOT-5	184	✓		✓							
2	665			150		✓									
3	666			125		✓									
4	667			100		✓									
5	668			75		✓									
6	669			50		✓									
7	670			40		✓									
8	671			30		✓									
9	672			20		✓									
10	673			10		✓									
11	674			0	2.2	✓		✓							
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:
CHECKED BY:Bottom Depth: 185Cast # down: 135Cast # up: 135

Time	LOC	UTC
Begin:		0227
Bottom:		0231
End:		0243

START POSITION (GPS)	
LAT:	48° 16.28
LONG:	123° 57.20

BOTTOM POSITION (GPS)	
LAT:	48° 16.30
LONG:	123° 57.20

END POSITION (GPS)	
LAT:	48° 16.21
LONG:	123° 57.4

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFM5

UTC DATE y/m/d: 2000/03/15
CAST NUMBER: 136

SHIP: TULLY

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	675			Bo-5	163	✓												
2	676			150		✓												
3	677			125		✓												
4	678			100		✓												
5	679			75		✓												
6	680			50		✓												
7	681			40		✓												
8	682			30		✓												
9	683			20		✓												
10	684			10		✓												
11	685			6	2.5	✓												
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JE
CHECKED BY:

Bottom Depth:

Cast # down: 136
Cast # up: 136

Time	LOC	UTC
Begin:		0321
Bottom:		0327
End:		0339

START POSITION (GPS)
LAT: 48° 15.69
LONG: 123° 49.62

BOTTOM POSITION (GPS)
LAT: 48 15.66
LONG: 123 49.63

END POSITION (GPS)
LAT: 48° 15.65
LONG: 123° 49.63

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFM4UTC DATE y/m/d: 2000/03/15
CAST NUMBER: 137SHIP: TULLYNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken													
Trip	Confirmed	SAL		NUT		ALK		TCO							
pressure	Salinity		OXY		CHL		C13								
1	686			Bot-10	169	✓		✓							
2	687			150		✓									
3	688			125		✓									
4	689			100		✓									
5	690			75		✓									
6	691			50		✓									
7	692			40		✓									
8	693			30		✓									
9	694			20		✓									
10	695			10		✓									
11	696			0		✓									
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 174Cast # down: 137Cast # up: 137

Time	LOC	UTC
Begin:		0419
Bottom:		0423
End:		0435

START POSITION (GPS)
LAT: 48° 14.88
LONG: 123° 42.38BOTTOM POSITION (GPS)
LAT: 14.87
LONG: 42.42END POSITION (GPS)
LAT: 14.84
LONG: 42.41

Comments:

ROSETTE LOG

MISSION ID: 2000-02

STATION NAME: JFM3

UTC DATE y/m/d: 2000/03/15

CAST NUMBER: 138

SHIP:

ENTERED BY: DJS

CHECKED BY:

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	697			bot-10	152	✓												
2	698			125		✓												
3	699			100		✓											4.884	
4	700			75		✓											4.928	
5	701			50		✓											5.043	
6	702			40		✓											5.157	
7	703			30		✓											5.284	
8	704			20		✓											5.517	
9	705			10		✓											5.591	
10	706			0		✓											6.032	
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

Bottom Depth: 156

Cast # down: 138

Cast # up:

Time LOC UTC

Begin: 0514

Bottom: 0518

End: 0529

START POSITION (GPS)

LAT: 48° 13.69

LONG: 123° 34.82

BOTTOM POSITION (GPS)

LAT: 13.72

LONG: 34.75

END POSITION (GPS)

LAT: 13.82

LONG: 34.49

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFM2UTC DATE y/m/d: 2000/03/15
CAST NUMBER: 139SHIP:

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	707			bot-10	140	✓											4.271	
2	708			125		✓											4.268	
3	709			100		✓											4.694	
4	710			75		✓											4.932	
5	711			50		✓											5.272	
6	712			40		✓											5.348	
7	713			30		✓											5.360	
8	714			20		✓											5.419	
9	715			10		✓											5.761	
10	716			0		✓											6.131	
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
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22																		
23																		
24																		

ENTERED BY: CHECKED BY: Bottom Depth: 146Cast # down: 139Cast # up:

Time LOC UTC

Begin: 0616Bottom: 0621End: 0632

START POSITION (GPS)

LAT: 48° 13.62LONG: 123° 27.26

BOTTOM POSITION (GPS)

LAT: 13.67LONG: 27.20

END POSITION (GPS)

LAT: 13.78LONG: 27.10Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFMI

UTC DATE y/m/d: 2000/03/15
CAST NUMBER: 140

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
							OXY		CHL		C13							
1	717			60+10	113	✓	✓	↗										
2	718			100		✓											4.607	
3	719			75		✓											4.601	
4	720			50		✓											4.964	
5	721			40		✓											5.153	
6	722			30		✓											5.357	
7	723			20		✓											5.655	
8	724			10		✓											6.019	
9	725			0		✓		↓									6.145	
10																		
11																		
12																		
13																		
14																		
15																		
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23																		
24																		

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 119

Cast # down: 140
Cast # up:

Time	LOC	UTC
Begin:		0710
Bottom:		0713
End:		0724

START POSITION (GPS)
LAT: 48° 12.75
LONG: 123° 19.86

BOTTOM POSITION (GPS)
LAT: 12.76
LONG: 19.92

END POSITION (GPS)
LAT: 12.78
LONG: 19.96

Comments:

ROSETTE LOG

MISSION ID: 2000-02
STATION NAME: JFC3

UTC DATE y/m/d: 2000/03/15
CAST NUMBER: 144

SHIP:

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

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

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1044
Bottom:		
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

1	726			180	✓	✓													
2	727			175	✓	✓													
3	728			165	✓	✓													
4																			
5																			
6																			
7																			
8																			
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23																			
24																			

Comments: