

ROSETTE LOG

MISSION ID: 9810
STATION NAME: MP10

UTC DATE y/m/d: 98/05/13
CAST NUMBER: 5.

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		POM				
1	5			100	152.0	✓			✓									
2	6			50	99.8	✓			✓									
3	7			5	50.1	✓			✓									
4	8			5	5.0	✓								✓				
5	9			5	4.7	✓								✓				
6	10			5	4.3	✓								✓				
7	11			5	3.5	✓								✓				
8	12			0	2.8	✓								✓				
9	13				1.4	✓			✓									
10																		
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ENTERED BY:
CHECKED BY:

Bottom Depth: 2684.

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1129
Bottom:		1144
End:		

START POSITION (GPS)
LAT: 48 53.49
LONG: 129 40.29

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: P09

UTC DATE y/m/d: 98/05/13
CAST NUMBER: 6

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	14			1000		✓	✓													
2	15			800		✓	✓													
3	16			600		✓	✓													
4	17			500		✓	✓													
5																				
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ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		1450
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 4851.91
LONG: 12909.39

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: P08

UTC DATE y/m/d: 98 05 13
CAST NUMBER: 13

SHIP: Tolly

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	18			100	100	✓		✓	✓									
2	19			50	47	✓		✓	✓								@ chl max	
3	20			0	2	✓		✓	✓									
4																		
5																		
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ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 13
Cast # up:

Time LOC UTC
Begin: 1907 UTC
Bottom:
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: MPO7

UTC DATE y/m/d: 98/5/13
CAST NUMBER: 15

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		Si/2M4			Si for testing	
1	21			100		✓								✓				
2	22			50		✓								✓				
3	23			20		✓								✓				
4	24			0		✓								✓				
5																		
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ENTERED BY:
CHECKED BY:

Bottom Depth: 2545

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2223
Bottom:		
End:		2312

START POSITION (GPS)
LAT: 48 46.41
LONG: 128 10 39

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: mpo6

UTC DATE y/m/d: 14 May 98
CAST NUMBER: 17

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	25			1000		✓	✓											
2	26			800		✓	✓											
3	27			600		✓	✓											
4	28			500		✓	✓											
5	29			100		✓			✓									
6	30			50		✓			✓									
7	31			10		✓			✓									
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ENTERED BY:
CHECKED BY:

Bottom Depth: 2578

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:

Comments:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: MP04

UTC DATE y/m/d: 98/5/14
CAST NUMBER: 19

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	32			100	104	✓	✓		✓									
2	33			50	51	✓	✓		✓									
3	34			0	1.5	✓	✓		✓									
4																		
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ENTERED BY: dy
CHECKED BY:

Bottom Depth: 1340

Cast # down: 19
Cast # up:

Time	LOC	UTC
Begin:		0757
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 38.72
LONG: 126 40.18

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: C1 (LBA1)

UTC DATE y/m/d: 98/05/14
CAST NUMBER: 21

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken													
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK	14LEV	TCO							
								OXY		CHL	4N	C13	14C	15A	Back	CO2	WAT	PWPC		
1	35			150	1438	✓		✓	✓											
2	36			125	123.4	✓		✓	✓											
3	37			100	99.4	✓		✓	✓											
4	38			75	75.6	✓		✓	✓											
5	39			50	51.1	✓		✓	✓											
6	40			30	30.8	✓		✓	✓											
7	41			20	20.4	✓		✓	✓											
8	42			10	11.3	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
9	43			10	12.2	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
10	44			5	6.4	✓		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		
11	45			5	5.8	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
12	46			5	5.2	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
13	47			0	1.4	✓		✓	✓	✓		✓	✓							
14	48			0	1.9	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
15	49			0	1.6	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
16	50			0	1.9	✓			✓											
17	51			0	1.9	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
18	52			0	1.8	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
19																				
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ENTERED BY: DT
CHECKED BY:

Bottom Depth: 154

Cast # down: 21

Cast # up: 21

Time	LOC	UTC
Begin:		1453
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 28.65
LONG: 125 15.73

BOTTOM POSITION (GPS)
LAT: 48 28 61
LONG: 125 15 90

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9810

UTC DATE y/m/d:

98 05 14

SHIP:

Tully

STATION NAME:

C2

CAST NUMBER:

23

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		NH4	PH	TE		
1	53	392		115	127.4		✓	✓	✓									
2	54	412		100	100.2		✓	✓	✓									
3	55	418		75	74.1		✓	✓	✓									
4	56	420		50	49.5		✓	✓	✓	✓								
5	57	425		30	28.7		✓	✓	✓	✓								
6	58	443		20	20.9		✓	✓	✓	✓								
7	59	463		10	10.7		✓	✓	✓	✓			✓					
8	60	467		0	2.1		✓	✓	✓	✓					✓			
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ENTERED BY:

CHECKED BY:

Bottom Depth:

134

Cast # down:

23

Cast # up:

Time

LOC

UTC

Begin:

1654

Bottom:

End: 17:07

START POSITION (GPS)

LAT: 48°25.29'

LONG: 125°08.11'

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: C3

Oxygens
78100002

UTC DATE y/m/d: 98 05 14
CAST NUMBER: 25

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		Phy				
1	61	486		120	119	✓	✓	✓	✓									
2	62	509		100	100	✓	✓	✓	✓									
3	63	527		75	76	✓	✓	✓	✓									
4	64	534		50	52	✓	✓	✓	✓	✓								
5	65	535		30	30	✓	✓	✓	✓	✓								
6	66	572		20	20	✓	✓	✓	✓	✓								
7	67	578		10	8	✓	✓	✓	✓	✓								
8	68	587		0	2	✓	✓	✓	✓	✓				✓				
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ENTERED BY:
CHECKED BY:

Bottom Depth: 124

Cast # down: 25
Cast # up: 25

Time	LOC	UTC
Begin:		1913
Bottom:		
End:		

START POSITION (GPS)
LAT: 48° 23.52'
LONG: 125° 21.38'

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: B7

UTC DATE y/m/d: 98/5/14
CAST NUMBER: 27

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	69			75	76	✓	✓	✓	✓									
2	70			50	48	✓	✓	✓	✓	✓								
3	71			30	30	✓	✓	✓	✓	✓								
4	72			20	20	✓	✓	✓	✓	✓								
5	73			10	10	✓	✓	✓	✓	✓								
6	74			0	2	✓	✓	✓	✓	✓								
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23																		
24																		

ENTERED BY: dy
CHECKED BY:

Bottom Depth: 80

Cast # down: 27

Cast # up: 27

Time	LOC	UTC
Begin:		<u>2137</u>
Bottom:		
End:		

START POSITION (GPS)
LAT: 48° 32.0'
LONG: 125° 35.83'

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9810

UTC DATE y/m/d:

98/5/14

SHIP:

Tully

STATION NAME:

88

CAST NUMBER:

29

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	75			125	124	✓	✓	✓	✓									
2	76			100		✓	✓	✓	✓									
3	77			75		✓	✓	✓	✓									
4	78			50		✓	✓	✓	✓	✓								
5	79			30		✓	✓	✓	✓	✓								
6	80			20		✓	✓	✓	✓	✓								
7	81			10		✓	✓	✓	✓	✓								
8	82			0		✓	✓	✓	✓	✓								
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ENTERED BY:

CHECKED BY:

Bottom Depth: 136

Cast # down: 29

Cast # up: 29

Time LOC UTC

Begin: 2257

Bottom:

End: 2309

START POSITION (GPS)

LAT: 48° 34.24'

LONG: 125° 30.03'

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 48 34.12

LONG: 125 30.13

Comments:

✓

98-10
LC01

98/05/15

31.

SHIP: _____

ENTERED BY:

CHECKED BY: _____

Bottom Depth: 96

Cast # down: 31

Cast # up: 31

Time	LOC	UTC
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Begin: 0/58

Bottom:

End:	0211
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START POSITION (GPS)

LAT: 4850 40

LONG: 125 28.02

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 48 50 45

LONG: 125 28.28

[illegible]

Trip	Confirmed
pressure	Salinity

SAL		NUT		ALK		TCO				
	OXY		CHL		C13					

ROSETTE LOG

MISSION ID: 9810
STATION NAME: LC02

UTC DATE y/m/d: 98/05/15
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	ch		ph	ph		
1	95	1036		100	100.7		✓	✓	✓									
2	96	1045		75	74.5		✓	✓	✓									
3	97	1052		50	49.5		✓	✓	✓				✓					
4	98	1062		30	29.7		✓	✓	✓				✓					
5	99	1090		20	20.1		✓	✓	✓				✓					
6	100	1103		10	10		✓	✓	✓				✓	✓				
7	101	1104		0	2.3		✓	✓	✓				✓		✓			
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ENTERED BY:
CHECKED BY:

Bottom Depth: 110

Cast # down: 33

Cast # up: 33

Time LOC UTC
Begin: 0324
Bottom:
End:

START POSITION (GPS)
LAT: 48 48.55
LONG: 125 30.98

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: LC04

UTC DATE y/m/d: 98/05/15
CAST NUMBER: 39

SHIP:

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

ROSETTE OPERATION		Samples taken													
Trip	Confirmed	SAL		NUT		ALK		TCO							
pressure	Salinity		OXY		CHL		C13								
1	102	333		8-10	156.3										
2	103	97		150	147.7										
3	104	99		125	127.2										
4	105	632		100	100.7										
5	106	255		75	72.9										
6	107	332		50	50.3										
7	108	337		30	30.5										
8	109	364		20	17.6										
9	110			20	18.6										
10	111	376		10	10.6										
11	112	380	2	5	3.1										
12	113		1	5	5.9										
13	114		3	5	5.8										
14	115		2	5	5.7										
15	116			5	5.5										
16	117			5	5.4										
17	118			5	5.5										
18	119	392		0	2.6										
19	120			0	1.8										
20	121			0	1.9										
21	122			0	1.9										
22	123			0	1.4										
23	124			0	1.4										
24															

ENTERED BY:
CHECKED BY:

Bottom Depth: 167

Cast # down: 39

Cast # up: 39

Time LOC UTC
Begin: 1 1453
Bottom: 0807 1507
End:

START POSITION (GPS)
LAT: 48 43.44
LONG: 125 40.67

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: LC07

UTC DATE y/m/d: 98/5/15
CAST NUMBER: 44

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		CI3	PH	NH4	DO	ORP				

1	125	No OXY sample		120	122	✓	✓	✓	✓						
2	126			100	100	✓	✓	✓	✓						
3	127			75	74	✓	✓	✓	✓						
4	128			50	50	✓	✓	✓	✓				✓	✓	
5	129			30	30	✓	✓	✓	✓				✓	✓	
6	130			20	20	✓	✓	✓	✓				✓	✓	
7	131			10	10	✓	✓	✓	✓				✓	✓	
8	132			0	0	✓	✓	✓	✓				✓	✓	
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24															

ENTERED BY:
CHECKED BY:

Bottom Depth: 127

Cast # down:
Cast # up:

Time LOC UTC
Begin: 1956
Bottom:
End:

START POSITION (GPS)
LAT: 48 33.10
LONG: 126 00.30

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9810

UTC DATE y/m/d:

98/3/15

STATION NAME:

LK08

CAST NUMBER:

45

SHIP:

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

ROSETTE OPERATION

Trip
pressure

Confirmed
Salinity

SAL

OXY

NUT

CHL

ALK

PH

TCO

Samples taken

1	133			197	195	✓	✓	✓	✓										
2	134			175	175	✓													
3	135			150	150	✓													
4	136			125	124	✓													
5	137			100	101	✓													
6	138			75	76	✓													
7	139			50	50	✓				✓									
8	140			30	30	✓				✓									
9	141			20	20	✓				✓									
10	142			10	10	✓				✓		✓							
11	143			0	2	✓				✓	✓								
12																			
13																			
14																			
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23																			
24																			

ENTERED BY:

CHECKED BY:

Bottom Depth: 200

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2117

Bottom:

End:

START POSITION (GPS)

LAT: 48 29.49

LONG: 126 07 19

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: LC09

UTC DATE y/m/d: 95/5/15
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								
1	144			650	613.	✓	✓	✓	✓											
2	145			600		✓	✓	✓	✓											
3	146			500		✓	✓	✓	✓											
4	147			400		✓	✓	✓	✓											
5	148			300		✓	✓	✓	✓											
6	149			250		✓	✓	✓	✓											
7	150			200		✓	✓	✓	✓											
8	151			175		✓	✓	✓	✓											
9	152			150		✓	✓	✓	✓											
10	153			125		✓	✓	✓	✓											
11	154			100		✓	✓	✓	✓											
12	155			75		✓	✓	✓	✓											
13	156			50		✓	✓	✓	✓	✓										
14	157			30		✓	✓	✓	✓	✓										
15	158			20		✓	✓	✓	✓	✓										
16	159			10		✓	✓	✓	✓	✓										
17	160			0		✓	✓	✓	✓	✓										
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 616

Cast # down: 48
Cast # up: 48

Time	LOC	UTC
Begin:		2332
Bottom:		2342
End:		0008

START POSITION (GPS)
LAT: 48 25.77
LONG: 126 13.65

BOTTOM POSITION (GPS)
LAT: L
LONG:

END POSITION (GPS)
LAT: 48 25.94
LONG: 126 14.24

Comments:

ROSETTE LOG

MISSION ID:

98-10

UTC DATE y/m/d:

98/05/16

SHIP:

Tully

STATION NAME:

LC 11

CAST NUMBER:

50

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	161	1110		1000	1002	✓		✓	✓									
2	162	1113		800	801	✓		✓	✓									
3	163	1114		600	599	✓		✓	✓									
* 4	164	1119		500	497	✓		✓	✓									
5	165	1122		400	397	✓		✓	✓									
6	166	1126		300	299	✓		✓	✓									
7	167			250	249	✓		✓	✓									
8	168			200	200	✓		✓	✓									
9	169			175	174	✓		✓	✓									
10	170			150	150	✓		✓	✓									
11	171			125	125	✓		✓	✓									
12	172			100	99	✓		✓	✓							249	453	
13	173			75	75	✓		✓	✓									
14	174			50	49	✓		✓	✓									
15	175			30	30	✓		✓	✓									
16	176			20	20	✓		✓	✓									
17	177			10	10	✓		✓	✓									
18	178			0	2.3	✓		✓	✓									
19																		
20																		
21																		
22																		
23																		
24																		

Comments: * Small bubble in flask for sample #164

Note: A number of flasks had solid "flakes" which would not dissolve in acid

ENTERED BY:

CHECKED BY:

Bottom Depth: 1441

Cast # down: 50

Cast # up: 50

Time LOC UTC

Begin: 0244

Bottom: 802 0302

End: 840 0340

START POSITION (GPS)

LAT: 4818.79

LONG: 126 26.44

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9810
STATION NAME:

UTC DATE y/m/d: 98/05/16
CAST NUMBER: 62

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				5		✓														
2				5		✓														
3				5		✓														
4				5		✓														
5				5		✓														
6																				
7																				
8																				
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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:

Comments:

9810

6027

98/05/16

63

SHIP: _____

ENTERED BY:

CHECKED BY: _____

Bottom Depth: 618

Cast # down:

Cast # up:

Time	LOC	UTC
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Begin: 1341

Bottom: 1353

End: 1420

START POSITION (GPS)

LAT: 48 25.88

LONG: 126 1379

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)
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100

LAT: _____

LONG: _____

Comments:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: LB 16

UTC DATE y/m/d: 98 05 16
CAST NUMBER: 64

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	202			1000	1020	✓	✓	✓										
2	203			800	797	✓	✓	✓										
3	204			600	602	✓	✓	✓										
4	205			500	497	✓	✓	✓										
5	206			400	400	✓	✓	✓										
6	207			300	302	✓	✓	✓										
7	208			250	253	✓	✓	✓										
8	209			200	201	✓	✓	✓										
9	210			150	150	✓	✓	✓										
10	211			100	98	✓	✓	✓										
11	212			75	75	✓	✓	✓										
12	213			30	29	✓	✓	✓										
13	214			30	30	✓	✓	✓										
14	215			25	25	✓	✓	✓										
15	216			15	14	✓	✓	✓										
16	217			15	14	✓	✓	✓										
17	218			5	6	✓	✓	✓										
18	219			0	1.5	✓	✓	✓										
19	220			0	1.6	✓	✓	✓										
20	221			0	1.5	✓	✓	✓										
21	222			0	2.3	✓	✓	✓										
22	223			0	1.8	✓	✓	✓										
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:

Bottom Depth: 1803

Cast # down: 64
Cast # up: 64

Time	LOC	UTC
Begin:	<u>1010</u>	<u>1710</u>
Bottom:	<u>1030</u>	<u>1730</u>
End:	<u>1110</u>	<u>1810</u>

START POSITION (GPS)
LAT: 48° 00.51' N
LONG: 126° 17.02' W

BOTTOM POSITION (GPS)
LAT: 48° 00.51'
LONG: 126° 17.19'

END POSITION (GPS)
LAT: 48° 00.860
LONG: 126° 16.090

ROSETTE LOG

MISSION ID:

9810

STATION NAME:

LC12

UTC DATE y/m/d:

98/5/16

CAST NUMBER:

65

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		Phyto	NH4		1m berry large volume	
1	224			1000	1001	✓	✓	✓	✓									
2	225			800	798	✓												
3	226			600	600	✓												
4	227			500	500	✓												
5	228			400	400	✓												
6	229			300	292	✓												
7	230			250	250	✓												
8	231			200	199	✓												
9	232			175	173	✓												
10	233			150	148	✓												
11	234			125	124	✓												
12	235			100	100	✓												
13	236			75	75	✓												
14	237			50	50	✓					✓							
15	238			30	30	✓					✓							
16	239			20	20	✓												
17	240			10	11	✓	✓	✓	✓	✓			✓		✓			
18	241			5	6	✓	6.521	x	✓								✓	
19	242			5	6	✓	6.522	x	✓								✓	
20	243			5	5	✓	6.004	x	✓								✓	
21	244			5	5	✓	6.522	x	✓								✓	
22	245			5	5	✓	6.535	x	✓								✓	
23	246			0				✓	✓	✓	✓			✓				
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 2565

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2052

Bottom:

End:

START POSITION (GPS)

LAT: 48 14.88

LONG: 126 39.59

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9810

STATION NAME:

CS1

UTC DATE y/m/d:

98/5/17

CAST NUMBER:

74

SHIP:

Tully

ENTERED BY:

CHECKED BY:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	247			500	502	✓	✓	✓	✓									
2	248			400	401	✓												
3	249			300	295	✓												
4	250			250	249	✓												
5	251			200	200	✓												
6	252			175	177	✓												
7	253			150	150	✓												
8	254			125	122	✓												
9	255			100	100	✓												
10	256			75	77	✓												
11	257			50	50	✓												
12	258			30	31	✓												
13	259			20	21	✓												
14	260			10	10	✓	✓	✓	✓									
15	261			5	5	✓			✓									
16	262			5	5	✓												
17	263			5	5	✓												
18	264			5	5	✓												
19	265			5	5	✓												
20	266			0	1	✓	✓	✓	✓									
21																		
22																		
23																		
24																		

Bottom Depth: 2128

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2215

Bottom:

End:

START POSITION (GPS)

LAT: 50 34.79

LONG: 129 41.36

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9810

UTC DATE y/m/d:

98/05/18

STATION NAME:

CS3

CAST NUMBER:

28

SHIP:

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

ROSETTE OPERATION

Trip Confirmed
pressure Salinity

Samples taken

SAL NUT ALK TCO
OXY CHL C13

1	267			B-10	246	✓													
2	268			200		✓													
3	269			175		✓													
4	270			150		✓													
5	271			125		✓													
6	272			100		✓													
7	273	337		175		✓													
8	274	364		50		✓													
9	275	?		30		✓													
10	276	380		20		✓													
11	277			10		✓													
12	278			0		✓													
13	279																		
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments: * No oxygen [?] - flask broke

ENTERED BY:

CHECKED BY:

Bottom Depth: 260

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0159

Bottom:

End:

START POSITION (GPS)

LAT: 50 45.51

LONG: 129 20.46

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9810

STATION NAME:

CS10

UTC DATE y/m/d:

98/5/18

CAST NUMBER:

82

SHIP:

Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										POT	POT
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	267			5m	5	✓											✓	
2	268			5	5	✓											✓	
3	269			5	5	✓											✓	
4	270			5	5	✓											✓	
5	271			5	5	✓											✓	
6																		
7																		
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24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 83

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0838

Bottom:

End:

START POSITION (GPS)

LAT: 5116.41

LONG: 12819.67

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9810

UTC DATE y/m/d:

98/5/18

STATION NAME:

C509

CAST NUMBER:

84

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

NH₄

1	279			190	190	✓	✓	✓	✓										
2	280			175	172	✓	✓	✓	✓										
3	281			150	150	✓	✓	✓	✓										
4	282			125	122	✓	✓	✓	✓										
5	283			100	100	✓	✓	✓	✓										
6	284			75	75	✓	✓	✓	✓										
7	285			50	50	✓	✓	✓	✓										
8	286			30	30	✓	✓	✓	✓										
9	287	1.2214		20	19	✓	✓	✓	✓										
10	288			10	10	✓	✓	✓	✓					2					
11	289			0	2	✓	✓	✓	✓										
12																			
13																			
14																			
15																			
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22																			
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24																			

ENTERED BY:

CHECKED BY:

Bottom Depth: 195

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0956

Bottom:

End:

START POSITION (GPS)

LAT: 51° 12.59' N

LONG: 128° 28.09' W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments: * Volume greater than usual - accidentally added too much acid

ROSETTE LOG

MISSION ID:

9810

STATION NAME:

CS07

UTC DATE y/m/d:

98/5/18

CAST NUMBER:

88

SHIP:

Tolly

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	290	724		6-5	54	✓	✓	✓	✓									
2	291			50		✓	✓	✓	✓									
3	292			30		✓	✓	✓	✓									
4	293			20		✓	✓	✓	✓									
5	294			10		✓	✓	✓	✓				2					
6	295	730		0		✓	✓	✓	✓									
7																		
8																		
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ENTERED BY:

CHECKED BY:

Bottom Depth:

66.

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1248

Bottom:

End:

START POSITION (GPS)

LAT: 5104.62

LONG: 128 44.13

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: C55

UTC DATE y/m/d: 98/05/18
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					
1	296	732		13-10	57	✓	✓	✓	✓									
2	297			50	50	✓	✓	✓	✓									
3	298			30	30	✓	✓	✓	✓									
4	299			20	20	✓	✓	✓	✓									
5	300			10	10	✓	✓	✓	✓									
6	301			0	3.4	✓	✓	✓	✓									
7																		
8																		
9																		
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24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 64

Cast # down:
Cast # up:

Time LOC UTC
Begin: 0819 1519
Bottom:
End:

START POSITION (GPS)
LAT: 50 56 00
LONG: 128 59 87

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 50 55 98
LONG: 128 59 99

Comments:

ROSETTE LOG

MISSION ID:

9810

STATION NAME:

CS3B

UTC DATE y/m/d:

98 05 18

CAST NUMBER:

99

SHIP:

Tully

1-12
25-35
49-67

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	302			8-10	216	✓	✓		✓									
2	303			200	201	✓												
3	304			175	176	✓												
4	305			150	150	✓												
5	306			125	125	✓												
6	307			100	102	✓												
7	308			75	76	✓												
8	309			50	48	✓												
9	310			30	30	✓												
10	311			20	20	✓												
11	312			10	10	✓												
12	313			0	2	✓	✓	✓	✓	✓								
13																		
14																		
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18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

99

Cast # up:

99

Time

LOC

UTC

Begin:

2058

Bottom:

End:

START POSITION (GPS)

LAT: 51 00.00

LONG: 129 27.30

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments: Oxygen: this station was included in the file for CSS (the rest are in the correct file)

Bottom depth??

samples 302 - 306

ROSETTE LOG

MISSION ID: 9810
STATION NAME: Nomad

UTC DATE y/m/d: 98/05/19
CAST NUMBER: 100

SHIP: _____

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	314			500		✓	✓	✓	✓									
2	315			400		✓	✓	✓	✓									
3	316			300		✓	✓	✓	✓									
4	317			250		✓	✓	✓	✓									
5	318			200		✓	✓	✓	✓									
6	319			175		✓	✓	✓	✓									
7	320			150		✓	✓	✓	✓									
8	321			125		✓	✓	✓	✓									
9	322			100		✓	✓	✓	✓									
10	323			75		✓	✓	✓	✓									
11	324			50		✓	✓	✓	✓									
12	325			30		✓	✓	✓	✓									
13	326			20		✓	✓	✓	✓									
14	327			10		✓	✓	✓	✓									
15	328			5		✓	✓	✓	✓									
16	329			5		✓	×	×										
17	330			5		✓	×	×										
18	331			5		✓	×	×										
19	332			5		✓	×	×										
20	333			0		✓	✓	✓	✓									
21																		
22																		
23																		
24																		

ENTERED BY: _____
CHECKED BY: _____

Bottom Depth: 2148

Cast # down: _____

Cast # up: _____

Time	LOC	UTC
Begin:		0002
Bottom:		
End:		

START POSITION (GPS)
LAT: 50 51.49
LONG: 129 55.16

BOTTOM POSITION (GPS)
LAT: _____
LONG: _____

END POSITION (GPS)
LAT: _____
LONG: _____

Comments: _____

ROSETTE LOG

MISSION ID: 9810
STATION NAME: LBP7

UTC DATE y/m/d: 98/05/19
CAST NUMBER: 113

SHIP:

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

ROSETTE OPERATION		Samples taken															
Trip	Confirmed	SAL		NUT		ALK		TCO									
pressure	Salinity	OXY		CHL		C13											
1	334			1000	1003	✓		✓	✓								
2	335			800	789	✓											
3	336			600	600	✓											
4	337			500	503	✓											
5	338			400	396	✓											
6	339			300	296	✓											
7	340			250	254	✓											
8	341			200	199	✓											
9	342			175	173	✓											
10	343			150	148	✓											
11	344			100	98	✓											
12	345			75	71	✓											
13	346			50	50	✓											
14	347			30	29	✓											
15	348			30	30	✓											
16	349			15	15	✓											
17	350			10	10	✓		✓	✓								
18	351			10	10	✓											
19	352			5	5	✓											
20	353			0	2.2	✓											
21	354			0	2.1	✓											
22	355			0	1.9												
23	356			0	1.7												
24	357			0	2.5												

ENTERED BY:

CHECKED BY:

Bottom Depth: 2182

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1451

Bottom: 1508

End:

START POSITION (GPS)

LAT: 49° 52.43' N

LONG: 128° 11.15' W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9810

UTC DATE y/m/d:

98 05 19

SHIP:

Tolly

STATION NAME:

LBP8

CAST NUMBER:

114

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	358			1000	1002	✓		✓	✓	✓										
2	359			800	801	✓		✓	✓											
3	360			600	603	✓		✓	✓											
4	361			500	488	✓		✓	✓											
5	362			400	395	✓		✓	✓											
6	363			300	300	✓		✓	✓											
7	364			250	248	✓		✓	✓											
8	365			200	198	✓		✓	✓											
9	366			175	175	✓		✓	✓											
10	367			150	149	✓		✓	✓											
11	368			100	102	✓		✓	✓											
12	369			75	72	✓		✓	✓											
13	370			50	50	✓		✓	✓											
14	371			30	28	✓		✓	✓											
15	372			20	19	✓		✓	✓											
16	373			10	11	✓		✓	✓											
17	374			0	1.5	✓		✓	✓	✓										
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 2100

Cast # down: 114

Cast # up: 114

Time LOC UTC

Begin: 1000 1700

Bottom: 1020 1720

End:

START POSITION (GPS)

LAT: 49 48 62

LONG: 128 17 00

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: LBP6

UTC DATE y/m/d: 98/5/19
CAST NUMBER: 116

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		NA				
1	375			1310	703	✓	✓	✓	✓									
2	376			600	603	✓	✓	✓	✓									
3	377			500	493	✓	✓	✓	✓									
4	378			400	399	✓	✓	✓	✓									
5	379			300	297	✓	✓	✓	✓									
6	380			250	180													
7	381			200	150	✓	✓	✓	✓									
8	382			125	126	✓	✓	✓	✓									
9	383			100	100	✓	✓	✓	✓									
10	384			75	75	✓	✓	✓	✓									
11	385			50	51	✓	✓	✓	✓	✓								
12	386			30	31	✓	✓	✓	✓	✓								
13	387			20	20	✓	✓	✓	✓	✓								
14	388			10	9	✓	✓	✓	✓	✓			2					
15	389			0	1	✓	✓	✓	✓	✓								
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: Dej
CHECKED BY:

Bottom Depth: 713

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1921
Bottom:		
End:		

START POSITION (GPS)
LAT: 49° 56.22' N
LONG: 128° 05.27' W

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: Missed some depths because of large & rapidly changing wire angle
* Could not completely dissolve the precipitate in acid, so probably underestimates CO₂

ROSETTE LOG

MISSION ID: 9810
STATION NAME: LBP5

UTC DATE y/m/d: 98/5/19
CAST NUMBER: 117

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	390			1000	1003	✓	✓	✓	✓											
2	391			800	801	✓														
3	392			600	600	✓														
4	393			500	498	✓														
5	394			400	402	✓														
6	395			300	301	✓														
7	396			250	250	✓														
8	397			200	201	✓														
9	398			175	175	✓														
10	399			150	148	✓														
11	400			125	125	✓														
12	401			100	101	✓														
13	402			75	76	✓														
14	403			50	51	✓					✓									
15	404			30	31	✓					✓									
16	405			20	21	✓					✓									
17	406			10	11	✓					✓									
18	407			0	2	✓					✓									
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: [signature]
CHECKED BY:

Bottom Depth: 1306

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2045
Bottom:		
End:		

START POSITION (GPS)
LAT: 50°00.01' N
LONG: 128°00.70' W

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: #18 hung up - no sample

ROSETTE LOG

MISSION ID:

9810

STATION NAME:

LBP4

UTC DATE y/m/d:

98/5/19

CAST NUMBER:

119

SHIP:

Tully

ENTERED BY:

dy

CHECKED BY:

??

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2223

Bottom:

End:

START POSITION (GPS)

LAT: 50 01.51

LONG: 127 58.22

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	408			1000	1001	✓	✓	✓	✓									
2	409			600	599	✓												
3	410			400		✓												
4	411			250		✓												
5	412			200		✓												
6	413			150		✓												
7	414			125		✓												
8	415			100		✓												
9	416			75		✓												
10	417			50		✓					✓							
11	418			30		✓					✓							
12	419			20		✓					✓							
13	420			10		✓					✓			2				
14	421			0		✓	✓	✓	✓	✓	✓							
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ROSETTE LOG

MISSION ID:

9810

UTC DATE y/m/d:

98/05/20

SHIP:

Tully

STATION NAME:

LBP2

CAST NUMBER:

123

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		NH4	phate			
1	422			100	88	✓			✓									
2	423			75		✓												
3	424			50		✓				✓								
4	425			30		✓				✓								
5	426			20		✓				✓								
6	427			10		✓				✓			✓					
7	428			0		✓			✓	✓					✓			
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

96

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0109

Bottom:

End:

START POSITION (GPS)

LAT: 5004.08

LONG: 12754.05

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 9810

UTC DATE y/m/d: 98 05 20

SHIP: Tully

STATION NAME: LBP2

CAST NUMBER: 131

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	429			100	81	✓	✓	✓	✓									
2	430			75		✓	✓	✓	✓									
3	431			50		✓	✓	✓	✓									
4	432			30		✓	✓	✓	✓									
5	433			30		✓	✓	✓	✓									
6	434			30		✓	✓	✓	✓									
7	435			30		✓	✓	✓	✓									
8	436			20		✓	✓	✓	✓									
9	437			15		✓	✓	✓	✓									
10	438			15		✓	✓	✓	✓									
11	439			10		✓	✓	✓	✓									
12	440			5		✓	✓	✓	✓									
13	441			5		✓	✓	✓	✓									
14	442			5		✓	✓	✓	✓									
15	443			5		✓	✓	✓	✓									
16	444			5		✓	✓	✓	✓									
17	445			5		✓	✓	✓	✓									
18	446			5		✓	✓	✓	✓									
19	447			5		✓	✓	✓	✓									
20	448			5		✓	✓	✓	✓									
21	449			5		✓	✓	✓	✓									
22	450			0		✓	✓	✓	✓									
23	451			0		✓	✓	✓	✓									
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 99

Cast # down: 131

Cast # up: 131

Time LOC UTC

Begin: 1437

Bottom:

End:

START POSITION (GPS)

LAT: 50 04 07

LONG: 127 54 06

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments: * No oxy. sample

check file - There appear to be bottles from cast #123

ROSETTE LOG

MISSION ID: 9810
STATION NAME: LBP9

UTC DATE y/m/d: MAY 20 / 98
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	ph	pH						
1	452			1000	1001.3			✓	✓											
2	453			800	800.5															
3	454			600	597.5															
4	455			500	501.5															
5	456			400	394.7															
6	457			300	295.6															
7	458			250	250.2															
8	459			200	201.4															
9	460			175	176.2															
10	461			150	152.1															
11	462			125	125.1															
12	463			100	98.7															
13	464			75	75.1															
14	465			50	48.1					✓										
15	466			30	28.5					✓										
16	467			20	20.8					✓										
17	468			10	10.2					✓				✓						
18	469			0	2.2			✓	✓	✓			✓							
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

ENTERED BY:
CHECKED BY:

Bottom Depth: 2237

Cast # down: 133
Cast # up: 133

Time	LOC	UTC
Begin:		1907
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 44 30
LONG: 128 22 07

BOTTOM POSITION (GPS)
LAT: 49 45 19
LONG: 128 21 54

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID:

9810

UTC DATE y/m/d:

98/05/21

STATION NAME:

L508

CAST NUMBER:

141

SHIP:

Tully

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

ROSETTE OPERATION

Trip
pressureConfirmed
Salinity

Samples taken

SAL

NUT

ALK

TCO

OXY

CHL

C13

1	470	1139		1000	1007	/	/	/											
2	471	1141		750	748	/	-	-	0.006 ml +										
3	472	1142		500	498	/	/	/											
4	473	1143		300	298	/	/	/											
5	474	1144		200	199	/	/	/											
6	475	1146		150	148	/	/	/											
7	476	1148		125	124	/	/	/											
8	477	1150		100	100	/	/	/											
9	478	1152		75	74	/	/	/											
10	479	1153		50	50	/	/	/											
11	480	1154		25	24	/	/	/											
12	481	1155		10	9	/	/	/											
13	482	1157		5	6.3	/	/	/											
14	483	No Sample		5	5.2	/													
15	484	Drawn from		5	4.9	/													
16	485	there bottles		5	4.7	/													
17	486			5	4.1	/													
18	487			5	4.8	/													
19	488	1168?		0	1.7	/	/	/											
20																			
21																			
22																			
23																			
24																			

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 1728

Cast # down: 141

Cast # up: 141

Time LOC UTC

Begin: 0814 1418

Bottom: 0832 1532

End: 0902 1602

START POSITION (GPS)

LAT: 49 20 08

LONG: 127 40 98

BOTTOM POSITION (GPS)

LAT: 49 20 09

LONG: 127 41 00

END POSITION (GPS)

LAT: 49 20 19

LONG: 127 40 86

L. STN 0933

ROSETTE LOG

MISSION ID: 9810
STATION NAME: L506

UTC DATE y/m/d: 98 05 21
CAST NUMBER: 144

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	487			1000	1000	✓	✓	✓	✓									
2	488			750	748	✓	✓	✓	✓									
3	489			500	500	✓	✓	✓	✓									
4	490			300	302	✓	✓	✓	✓									
5	491			200	201	✓	✓	✓	✓									
6	492			150	148	✓	✓	✓	✓									
7	493			125														
8	494			100	100	✓	✓	✓	✓									
9	495			75	75	✓	✓	✓	✓									
10	496			50	50	✓	✓	✓	✓									
11	497			30	30	✓	✓	✓	✓									
12	498			20	20	✓	✓	✓	✓									
13	499			10	11	✓	✓	✓	✓									
14	500			0	2	✓	✓	✓	✓									
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 1070

Cast # down: 144
Cast # up: 144

Time	LOC	UTC
Begin:		1855
Bottom:		
End:		

START POSITION (GPS)
LAT: 49° 27.77' N
LONG: 127° 28.60' W

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: EFLJ05

UTC DATE y/m/d: 98/5/21
CAST NUMBER: 146

SHIP: Tully

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

ROSETTE OPERATION		Samples taken												(Jan Perry's)	
Trip	Confirmed	SAL		NUT		ALK		TCO							
pressure	Salinity		OXY		CHL		C13		DIW						

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

ENTERED BY: [Signature]
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:

Comments:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: L54

UTC DATE y/m/d: 98/5/21
CAST NUMBER: 147

SHIP: Tolly

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	501			150	150	✓												
2	502			125	124	✓												
3	503			100	101	✓												
4	504			75	76	✓												
5	505			50	51	✓												
6	506			30	31	✓												
7	507			20	21	✓												
8	508			10	11	✓												
9	509			0	1	✓												
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

check sample order

ENTERED BY: [signature]
CHECKED BY:

Bottom Depth: 165

Cast # down: 147
Cast # up: 147

Time	LOC	UTC
Begin:		22 24
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 35 43
LONG: 127 16 78

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: LJ02

UTC DATE y/m/d: 98/05/22
CAST NUMBER: 150

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken													
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
1	510			75		✓	✓	✓	✓											
2	511			50		✓	✓	✓	✓											
3	512			30		✓	✓	✓	✓											
4	513			20		✓	✓	✓	✓											
5	514			10		✓	✓	✓	✓											
6	515			0		✓	✓	✓	✓											
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 82.

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0045
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 42.67
LONG: 127 05.30

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: LJO1

UTC DATE y/m/d: 98/05/22
CAST NUMBER: 152

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		CI3						
1				5		✓												
2				5		✓												
3				5		✓												
4				5		✓												
5				5		✓												
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: water for Ruben

ENTERED BY:
CHECKED BY:

Bottom Depth: 60

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0144
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 44.35
LONG: 127 02.46

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 9810
STATION NAME: L603

UTC DATE y/m/d: 98/05/22
CAST NUMBER: 157

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	516			100		✓	✓	✓										
2	517			75		✓	✓	✓										
3	518			50		✓	✓	✓										
4	519			35		✓	✓	✓										
5	520			35		✓	✓	✓										
6	521			20		✓	✓	✓										
7	522			15		✓	✓	✓										
8	523			15		✓	✓	✓										
9	524			10		✓	✓	✓										
10	525			5		✓	✓	✓										
11	526			5		✓	✓	✓										
12	527			5		✓	✓	✓										
13	528			5		✓	✓	✓										
14	529			5		✓	✓	✓										
15	530			5		✓	✓	✓										
16	531			5		✓	✓	✓										
17	532			5		✓	✓	✓										
18	533			0		✓	✓	✓										
19	534			0		✓	✓	✓										
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:

Bottom Depth: 121

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1318
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 14.74
LONG: 126 43.81

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID:

9810

UTC DATE y/m/d:

98 05 22

STATION NAME:

LG01

CAST NUMBER:

158 159

SHIP:

Tully

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

ROSETTE OPERATION

Samples taken

Trip
pressureConfirmed
Salinity

SAL

NUT

ALK

TCO

OXY

CHL

C13

1	535			bottom	46														
2	536			50	46														
3	537			30	31														
4	538			20	20														
5	539			10	10														
6	540			0	1														
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:

CHECKED BY:

Bottom Depth:

51

Cast # down:

158 159

Cast # up:

158

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:

9810

STATION NAME:

LG02

UTC DATE y/m/d:

980522

CAST NUMBER:

160

SHIP:

Tully

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

ROSETTE OPERATION
Trip Confirmed
pressure Salinity

Samples taken
SAL OXY NUT CHL ALK C13 TCO

1	541			80		/													
2	542			75	76	-													
3	543			50	48	/													
4	544			30	29	/													
5	545			20	20	/													
6	546			10	11	/													
7	547			0	1.7	/													
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

160

Cast # up:

160

Time LOC UTC

Begin:

1811

Bottom:

End:

0919 1619

START POSITION (GPS)

LAT: 49°18.61'N

LONG: 126°38.36'W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:



ROSETTE LOG

MISSION ID: 9810
STATION NAME: LG04

UTC DATE y/m/d: 98 05 22
CAST NUMBER: 161

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	548		145		145	/	/	/										
2	549		125		125	/	/	/										
3	550		100		96	/	/	/										
4	551		75		75	/	/	/										
5	552		50		49	/	/	/										
6	553		30		29	/	/	/										
7	554		20		20	/	/	/										
8	555		10		9	/	/	/										
9	556		0		2	/	/	/										
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 146

Cast # down: 161
Cast # up: 161

Time	LOC	UTC
Begin:		1738
Bottom:		1740
End:	1050	1750

START POSITION (GPS)
LAT: 49 11 31
LONG: 126 49 63

BOTTOM POSITION (GPS)
LAT: 49 11 31
LONG: 126 49 73

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9810

UTC DATE y/m/d:

98/5/22

STATION NAME:

LG06

CAST NUMBER:

164

SHIP:

Tully

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

ROSETTE OPERATION

Trip
pressure

Confirmed
Salinity

Samples taken

SAL

OXY

NUT

CHL

ALK

C13

TCO

164

ENTERED BY:

CHECKED BY:

Bottom Depth:

941

Cast # down:

164

Cast # up:

164

Time

LOC

UTC

Begin:

2012

Bottom:

End:

START POSITION (GPS)

LAT: 49 03.19

LONG: 127 00.92

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:



ROSETTE LOG

MISSION ID: 9810
STATION NAME: L607

UTC DATE y/m/d: 9/5/22
CAST NUMBER: 166

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	570			1000	1002	✓												
2	571			750	749	✓												
3	572			500	501	✓												
4	573			300		✓												
5	574			250		✓												
6	575			200		✓												
7	576			150		✓												
8	577			100		✓												
9	578			75		✓												
10	579			50		✓												
11	580			30		✓												
12	581			20		✓												
* 13	582			10		✓												
14	583			0		✓												
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2226
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 59.33
LONG: 127 07.17

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: * Some solids would not dissolve in acid

ROSETTE LOG

MISSION ID: 9810
STATION NAME: LG09

UTC DATE y/m/d: 98/05/23
CAST NUMBER: 169

SHIP:

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

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

1	584			1000		✓		✓	✓	✓									
2	585			800		✓		✓	✓	✓									
3	586			600		✓		✓	✓	✓									
4	587			500		✓		✓	✓	✓									
5	588			400		✓		✓	✓	✓									
6	589			300		✓		✓	✓	✓									
7	590			250		✓		✓	✓	✓									
8	591			200		✓		✓	✓	✓									
9	592			175		✓		✓	✓	✓									
10	593			150		✓		✓	✓	✓									
11	594			125		✓		✓	✓	✓									
12	595			100		✓		✓	✓	✓									
13	596			75		✓		✓	✓	✓									
14	597			50		✓		✓	✓	✓									
15	598			30		✓		✓	✓	✓									
16	599			20		✓		✓	✓	✓									
17	600			10		✓		✓	✓	✓									
18	601			5		✓		✓	✓	✓									
19	602			5		✓		✓	✓	✓									
20	603			5		✓		✓	✓	✓									
21	604			5		✓		✓	✓	✓									
22	605			5		✓		✓	✓	✓									
23	606			0		✓		✓	✓	✓									
24																			

ENTERED BY:
CHECKED BY:

Bottom Depth: 2081

Cast # down:
Cast # up:

Time LOC UTC
Begin: 0213
Bottom:
End:

START POSITION (GPS)
LAT: 4851.17
LONG: 1271935

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 98 10
STATION NAME: L607

UTC DATE y/m/d: 98/05/23
CAST NUMBER: 177

SHIP:

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

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

1	607			100		✓									
2	608			75		✓									
3	609			50		✓									
4	610			40		✓									
5	611			35		✓									
6	612			35		✓									
7	613			30		✓									
8	614			20		✓									
9	615			15		✓									
10	616			15		✓									
11	617			10		✓									
12	618			5		✓									
13	619			5		✓									
14	620			5		✓									
15	621			0		✓									
16	622			0		✓									
17	623			5		✓									
18	624			5		✓									
19	625			5		✓									
20	626			5		✓									
21	627			5		✓									
22															
23															
24															

ENTERED BY:
CHECKED BY:

Bottom Depth: 1779

Cast # down:

Cast # up:

Time LOC UTC
Begin: 1410
Bottom:
End:

START POSITION (GPS)
LAT: 4859.35
LONG: 127 07.29

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: *The O₂ value obtained for this sample is probably unreliable, and should be ignored; use # 612 instead. JB

ROSETTE LOG

MISSION ID: 9810
STATION NAME: LH9

UTC DATE y/m/d: 98:05:2
CAST NUMBER: 178

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	PH	CI3	PH					
1	628			1000	1003	-	/	/	/									
2	629			800	800	/	/	/	/									
3	630			600	601	/	/	/	/									
4	631			500	500	/	/	/	/									
5	632			400	400	/	/	/	/									
6	633			300	299	/	/	/	/									
7	634			250	241	/	/	/	/									
8	635			200	176	same depth	/	/	/									
9	636			175	176		/	/	/									
10	637			150	152	-	/	/	/									
11	638			125	123	/	/	/	/									
12	639			100	100	/	/	/	/									
13	640			75	75	/	/	/	/									
14	641			50	52	/	/	/	/	✓								
15	642			30	30	/	/	/	/	✓								
16	643			20	20	/	/	/	/	✓								
17	644			10	10	/	/	/	/	✓	✓							
18	645			0	2	/	/	/	/	✓			✓					
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 2076

Cast # down: 178

Cast # up: 178

Time	LOC	UTC
Begin:	<u>0919</u>	<u>1619</u>
Bottom:	<u>0936</u>	<u>1636</u>
End:		

START POSITION (GPS)
LAT: 49 5.52
LONG: 127 28.74

BOTTOM POSITION (GPS)
LAT: 49 05.26
LONG: 127 28.82

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9810

STATION NAME:

LH7

UTC DATE y/m/d:

98 5 23

CAST NUMBER:

181

SHIP:

Tully

Niskin
No.

Sample
No.

OXY.
Flask

OXY.
Temp.

Sample
Depth

ROSETTE OPERATION

Trip
pressure

Confirmed
Salinity

Samples taken

SAL

NUT

ALK

TCO

OXY

CHL

C13

NH₄

1	646			1000	1000	✓		✓	✓	✓									
2	647			800	798	✓		✓	✓	✓									
3	648			600	597	✓		✓	✓	✓									
4	649			500	503	✓		✓	✓	✓									
5	650			400	400	✓		✓	✓	✓									
6	651			300	300	✓		✓	✓	✓									
7	652			250	250	✓		✓	✓	✓									
8	653			200	200	✓		✓	✓	✓									
9	654			175	176	✓		✓	✓	✓									
10	655			150	150	✓		✓	✓	✓									
11	656			125	124	✓		✓	✓	✓									
12	657			100	100	✓		✓	✓	✓									
13	658			75	75	✓		✓	✓	✓									
14	659			50	51	✓		✓	✓	✓	✓								
15	660			30	29	✓		✓	✓	✓	✓								
16	661			20	19	✓		✓	✓	✓	✓								
17	662			10	11	✓		✓	✓	✓	✓								
18	663			0	1	✓		✓	✓	✓	✓								
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

181

Cast # up:

181

Time

LOC

UTC

Begin:

2000

Bottom:

End:

START POSITION (GPS)

LAT: 49 13.68

LONG: 127 16 16

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments: * It appears that the stopper was not completely inserted or came partially out, leaving an air space at the top of the flask. * Bubble in flask. * 2

ROSETTE LOG

MISSION ID: 9810
STATION NAME: LH05

UTC DATE y/m/d: 98/05/24
CAST NUMBER: 188

SHIP: _____

ENTERED BY: _____
CHECKED BY: _____

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	664			150	150.9	✓	✓	✓	✓									
2	665			125	125.2	✓		✓										
3	666			100	101.5	✓		✓										
4	667			75	73.5	✓		✓										
5	668			50	50.6	✓		✓		✓								
6	669			30	30.5	✓		✓		✓								
7	670			20	11.0	✓		✓		✓								
8	671			10	3.6	✓		✓		✓								
9	672			0			✓	✓	✓									
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Bottom Depth: 158

Cast # down: _____
Cast # up: _____

Time	LOC	UTC
Begin:		1158
Bottom:		
End:		

START POSITION (GPS)
LAT: 492127
LONG: 12704.76

BOTTOM POSITION (GPS)
LAT: _____
LONG: _____

END POSITION (GPS)
LAT: _____
LONG: _____

Comments: _____

ROSETTE LOG

MISSION ID: 9810
STATION NAME: L403

UTC DATE y/m/d: 98/05/24
CAST NUMBER: 190

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	672			100	90	✓												
2	673			75		✓												
3	674			50		✓												
4	675			30		✓												
5	676			20		✓												
6	677			10		✓												
7	678			0		✓												
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 100.

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1435
Bottom:		
End:		

START POSITION (GPS)
LAT: 4928.62
LONG: 12652.90

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:
Samples for this station were included in the file for L405 (oxygens) - Sorry! LB
*² O₂ value may not be reliable

ROSETTE LOG

MISSION ID: 9810
STATION NAME: LH 02

UTC DATE y/m/d: 18/05/24
CAST NUMBER: 191

SHIP: JP Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK	HH4	TCO					
								OXY		CHL		C13	PH					
1	679			50	40	-	✓	✓	✓	✓			✓					
2	680			30	32	-	✓	✓	✓	✓		✓						
3	681			20	21	-	✓	✓	✓	✓								
4	682			10	10	-	✓	✓	✓	✓								
5	683			0	2	-	✓	✓	✓	✓								
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: 55m

Cast # down: 191

Cast # up: 191

Time	LOC	UTC
Begin:	<u>0831</u>	<u>1530</u>
Bottom:	<u>0833</u>	<u>1533</u>
End:	<u>0838</u>	<u>1538</u>

START POSITION (GPS)
LAT: 49 32 27
LONG: 126 31 34

BOTTOM POSITION (GPS)
LAT: 49 32 31
LONG: 126 47 31

END POSITION (GPS)
LAT: 49 32 38
LONG: 126 47 38

Comments: * Bubble in flask 183