

ROSETTE LOG

MISSION ID: 9829
STATION NAME: S3UTC DATE y/m/d: 98/08/26
CAST NUMBER: 1SHIP: TULY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	1	84		B-5	211	✓	✓	✓	✓									00
2	2	97		200		✓												00
3	3	255		200		✓												
4	4	333		180		✓												0.0
5	5	337		160		✓												00
6	6	364		140		✓												0.073
7	7	392		120		✓											Boz	0.598
8	8	412		100		✓												0.811
9	9	425		80		✓												0.952
10	10	443		60		✓												2.379
11	11	463		50		✓												3.327
12	12	467		40		✓												3.424
13	13	486		30		✓												3.559
14	14	509		20		✓												4.139
15	15	534		10		✓												4.728
16	16	535		0		✓												6.978
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: FW
CHECKED BY:Bottom Depth: 222Cast # down: 1Cast # up: 1

Time	LOC	UTC
Begin:		0002
Bottom:		
End:		

START POSITION (GPS)	
LAT:	4826.24
LONG:	123.29 94

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)	
LAT:	
LONG:	

Comments:

Bottle 3 did not close.

ROSETTE LOG

MISSION ID: 9829
STATION NAME: P 04

UTC DATE y/m/d: 98/08/27
CAST NUMBER: 12

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken													
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO		HPLC					
								OXY	+NH ₄	CHL		C13		DMS						
1	17	84		400		✓	✓	✓	✓					✓						
2	18	97		300		✓														
3	19	255		250		✓														
4	20	333		200		✓														
5	21	337		175		✓														
6	22	364		150		✓														
7	23	392		125		✓									✓					
8	24	412		100		✓				✓					✓					
9	25	425		80		✓				✓					✓					
10	26	443		60		✓				✓					✓					
11	27	463		50		✓				✓										
12	28	467		40		✓				✓					✓					
13	29	486		30		✓				✓					✓					
14	30	509		20		✓				✓					✓					
15	31	534		15		✓				✓										
16	32	535		10		✓				✓					✓					
17	33	572		5		✓				✓					✓					
18	34	578		0		✓				✓					✓					
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: TW
CHECKED BY:

Bottom Depth: 1317

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1754
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 39.1
LONG: 126 40.27

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: TRANS/FLUORO/PAR on rosette
Bottle 3 did not close

ROSETTE LOG

MISSION ID: 9829
STATION NAME: P04UTC DATE y/m/d: 27/8/97
CAST NUMBER: 13SHIP: 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	35			B-20	1326	/	✓	✓	✓											
2	36			1250		/														
3	37			1000		/														
4	38			1000		✓														
5	39			800		✓														
6	40			600		✓														
7	41			400		✓														
8	42			300		✓														
9	43			250		✓														
10	44			200		✓														
11	45			150		✓														
12	46			100		✓														
13	47			75		✓														
14	48			50		✓														
15	49			25		✓														
16	50			10		✓														
17	51			0		✓														
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: ZW
CHECKED BY: MRBottom Depth: 1317 mCast # down: 13
Cast # up: 13

Time	LOC	UTC
Begin:		2104
Bottom:		2127
End:		2212

START POSITION (GPS)
LAT: 48° 39' 06"
LONG: 126° 40' 21"BOTTOM POSITION (GPS)
LAT: 48° 39' 16"
LONG: 126° 40' 41"END POSITION (GPS)
LAT: 48° 39' 41"
LONG: 126° 40' 75"

Comments:

ROSETTE LOG

MISSION ID: 9829
STATION NAME: P 08

UTC DATE y/m/d: 98/08/28
CAST NUMBER: 18

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	52	84		B-20	2535	✓	✓	✓	✓											
2	53	97		2250	2250	✓														
3	54	255		2000	2003	✓														
4	55	333		1750	1740	✓														
5	56	337		1500	1500	✓														
6	57	364		1250	1252	✓														
7	58	392		1000	998	✓														
8	59	412		800	800	✓														
9	60	425		600	600	✓														
10	61	443		400	400	✓														
11	62	463		300	301	✓														
12	63	467		250	248	✓														
13	64	486		200	198	✓														
14	65	509		150	149	✓														
15	66	534		100	99	✓														
16	67	535		75	74	✓														
17	68	572		50	50	✓														
18	69	578		25	25	✓														
19	70	587		10	10	✓														
20	71	588		0	2	✓														
21																				
22																				
23																				
24																				

ENTERED BY: JWS
CHECKED BY:

Bottom Depth: 2528

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		11:27
Bottom:		12:10
End:		13:12

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 48 49 40
LONG: 128 40 31

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9829
STATION NAME: P12 "DMS"

UTC DATE y/m/d: 98/08/29
CAST NUMBER: 22.

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO						
1	72			400	400	✓	✓	✓	✓										
2	73			300	300	✓													
3	74			250	249	✓													
4	75			200	200	✓													
5	76	337		175	175	✓													3.652
6	77	364		150	150	✓													4.159
7	78	392		125	125	✓												✓	5.009
8	79	412		100	100	✓				✓								✓	5.923
9	80	425		80	80	✓												✓	6.207
10	81	443		60	60	✓												✓	6.489
11	82	463		50	50	✓												✓	6.866
12	83	469		40	40	✓												✓	6.827
13	84	486		30	30	✓												✓	6.589
14	85	509		20	20	✓												✓	6.099
15	86	534		15	15	✓												✓	5.941
16	87	535		10	10	✓												✓	5.851
17	88	572		5	5	✓												✓	5.834
18	89	578		0	2	✓	✓	✓	✓	✓								✓	5.839
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY: J.W.
CHECKED BY:

Bottom Depth: 3015

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0124
Bottom:		0132
End:		0155

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 48 58 23
LONG: 130 40 25

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9829
STATION NAME: P12 "Deep"UTC DATE y/m/d: 98/08/29
CAST NUMBER: 23SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken													
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
1	90	708		B-20	3117	✓													DO	
2	91	709		3000		✓													ml/l	
3	92	712		2750		✓														
4	93	713		2500		✓														
5	94	715		2250		✓														
6	95	724		2000		✓														
7	96	726		1750		✓														
8	97	727		1500		✓														
9	98	730		1250		✓														
10	99	732		1000		✓														
11	100	734		800		✓														
12	101	735		600		✓														
13	102	1045		400		✓														
14	103	1114		300		✓														
15	104	1062		200		✓														
16	105	1090		150		✓														
17	106	1103		100		✓														
18	107	1104		75		✓														
19	108	1105		50		✓														
20	109	1106		25		✓														
21	110	1110		10		✓														
22	111			0		✓														
23																				
24																				

ENTERED BY:
CHECKED BY:Bottom Depth: 3117

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0414
Bottom:		0456
End:		

START POSITION (GPS)	
LAT:	
LONG:	

BOTTOM POSITION (GPS)	
LAT:	4858.30
LONG:	13040.56

END POSITION (GPS)	
LAT:	
LONG:	

Comments: # 106 & 107 analyzed in reverse order. EB ↔ oxygen.

ROSETTE LOG

MISSION ID: 9827
STATION NAME: P16 "DMS"

UTC DATE y/m/d: 98/08/30
CAST NUMBER: 30

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth
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ROSETTE OPERATION	
Trip	Confirmed
pressure	Salinity

3 Samples taken											
SAL		NUT		ALK		TCO					
	OXY	+NH ₄	CHL		C13		DN5			HPIC	

ENTERED BY:

CHECKED BY:

Bottom Depth: 3643

Cast # down: 30

Cast # up: 30

Time	LOC	UTC
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Begin: 18/6

Bottom: 1824

End: 1847

START POSITION (GPS)

LAT: 49.16 97

LONG: 134' 40.14

BOTTOM POSITION (GPS)

LAT: 49.17.04

LONG: 134 40.14

END POSITION (GPS)

LAT: 4917.28

LONG: 134 37.91

Comments:

ROSETTE LOG

MISSION ID: 9829
STATION NAME: P16 deep cast
UTC DATE y/m/d: 98/08/30
CAST NUMBER: 31

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	(1)	CHL		C13						
1	130			B-20		✓	✓	✓	✓									
2	131			3500		✓												
3	132			3000		✓												
4	133			2750		✓												
5	134			2500		✓												
6	135			2850		✓												
7	136			2000		✓							.236				poor. check!	
8	137			1750		✓												
9	138			1500		✓												
10	139			1250		✓							.065				non check.	
11	140			1000		✓												
12	141			800		✓												
13	142			600		✓												
14	143			400		✓												
15	144			300		✓												
16	145			200		✓												
17	146			150		✓												
18	147			100		✓												
19	148			75		✓												
20	149			50		✓												
21	150			25		✓												
22	151			10		✓												
23	152			0		✓												
24																		

ENTERED BY: FW
CHECKED BY: MR

Bottom Depth: 3643

Cast # down: 31

Cast # up: 31

Time	LOC	UTC
Begin:		2048
Bottom:		2133
End:		2240

START POSITION (GPS)	
LAT:	49°16.90
LONG:	134°40.24

BOTTOM POSITION (GPS)	
LAT:	49°17.11
LONG:	134°40.26

END POSITION (GPS)	
LAT:	49°16.80
LONG:	134°39.64

Comments: GPS time 10 minutes early

ROSETTE LOG

MISSION ID: 9829
STATION NAME: P20 "DMS"
UTC DATE y/m/d: 98/09/01
CAST NUMBER: 39

SHIP: JP Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY	+NH ₄	CHL		C13		DMS		HPLC		
1	153	708		400	403	✓	✓	✓	✓					✓				
2	154	709		300	300	✓									137.92	check sh		
3	155			250	249	✓												
4	156			200	198	✓												
5	157			175	174	✓												
6	158			150	148	✓												
7	159			125	125	✓										✓		
8	160			100	100	✓				✓						✓		
9	161			80	80	✓										✓		
10	162			60	60	✓										✓		
11	163			50	50	✓												
12	164			40	42	✓										✓		
13	165			30	30	✓										✓		
14	166			20	20	✓										✓		
15	167			15	15	✓												
16	168			10	10	✓										✓		
17	169			5	5	✓										✓		
18	170			0	0	✓										✓		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: J.W.
CHECKED BY:

Bottom Depth: 3973

Cast # down: 38
Cast # up: 39

Time	LOC	UTC
Begin:		1425
Bottom:		1433
End:		1456

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 49 34.43
LONG: 138 37.85

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9829.

UTC DATE y/m/d:

98/09/04.

SHIP:

TULLY.

STATION NAME:

126.

Tmscast

CAST NUMBER:

58

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO		pH			
								OXY	B	CHL		C13		DMS		#PLC	P.P.	
1	171			400		✓	✓	✓	✓					✓				
2	172			300		✓												
3	173			250		✓												
4	174			200		✓												
5	175			175		✓												
6	176			150		✓												
7	177			125		✓												
8	178			100		✓				✓								
9	179			80		✓												
10	180			60		✓												
11	181			50		✓										✓		
12	182			40		✓										✓		
13	183			30		✓										✓		
14	184			20		✓										✓		
15	185			15		✓										✓		
16	186			10		✓										✓		
17	187			5		✓										✓		
18	188			0		✓	✓	✓	✓	✓				✓		✓		
19	189			3		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
20	190			3		✓										✓		
21	191			3		✓											✓	
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 4240

Cast # down: 58

Cast # up:

Time LOC UTC

Begin: 1637

Bottom: 1645

End: 1700

START POSITION (GPS)

LAT: 50 02.75

LONG: 144 59.99

BOTTOM POSITION (GPS)

LAT: 50 02.57

LONG: 144 59.97

END POSITION (GPS)

LAT: 50 02.27

LONG: 145 00.06

V6	V2
.003	.722
.006	.004
.004	.722
	.723
	.722

ROSETTE LOG

MISSION ID: 9829
STATION NAME: R15 "CFC"

UTC DATE y/m/d: 98/09/07
CAST NUMBER: 63

SHIP: Tuwy

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO		180			
1	192			1500	1500	✓	✓	✓	✓		✓		✓		✓			
2	193			1200	1202	✓					✓		✓		✓			
3	194			1000	1000	✓					✓		✓		✓			
4	195			900	900	✓												
5	196			800	800	✓					✓		✓		✓			
6	197			750	751	✓												
7	198			700	701	✓												
8	199			650	649	✓												
9	200			600	600	✓					✓		✓		✓			
10	201			500	500	✓												
11	202	?leaker-nylon		400	399	✓					✓		✓		✓			
12	203	stoking		300	299	✓					✓		✓		✓			
13	204	intrusion		250	250	✓												
14	205			200	201	✓					✓		✓		✓			
15	206			150	149	✓					✓		✓		✓			
16	207			125	125	✓												
17	208	Leaking Niskin		100	100	✓					✓		✓		✓			
18	209			75	76	✓					✓		✓		✓			
19	210			50	50	✓					✓		✓		✓			
20	211			25	25	✓					✓		✓		✓			
21	212			10	10	✓					✓		✓		✓			
22	213			0	2	✓					✓							
23																		
24																		

ENTERED BY: FW.
CHECKED BY: Hugh

Bottom Depth: 3413

Cast # down: 63

Cast # up: 63

Time	LOC	UTC
Begin:		2227
Bottom:		2252
End:		2351

START POSITION (GPS)
LAT: 49° 11.83
LONG: 133° 39.77

BOTTOM POSITION (GPS)
LAT: 49° 11.17
LONG: 133° 39.70

END POSITION (GPS)
LAT: 49° 10.60
LONG: 133° 40.95

Comments:

LOOPS 211

ROSETTE LOG

MISSION ID: 9829
STATION NAME: PIS-160 SUTC DATE y/m/d: 98/09/08
CAST NUMBER: 69SHIP: JOHN P. TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION			Samples taken													
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO		DO2		HPLE				
								OXY		CHL		C13		DM3		DOM					
1	214			400		✓		✓	/	✓					✓						
2	215			300		/		✓	/	✓					✓						
3	216			200		/		✓	✓	✓					✓						
4	217			100		✓		✓	✓	✓	✓				✓						
5	218			75		✓		✓	/	✓	✓				✓						
6	219			50		/		✓	/	✓	✓				✓						
7	220			40		✓													✓		
8	221			40		✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		
9	222			30		✓													✓		
10	223			30		✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		
11	224			20		✓													✓		
12	225			20		✓		✓	/	✓	✓	✓		✓	✓	✓	✓	✓	✓		
13	226			15		✓													✓		
14	227			15		✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		
15	228			10		✓													✓		
16	229			10		✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		
17	230			5		✓													✓		
18	231			5		✓		✓	/	✓	✓	✓		✓	✓	✓	✓	✓	✓		
19	232			3		✓															
20	233			3		✓															
21	234			3		✓													✓		
22	235			3		✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		
23	236			0		✓													✓		
24	237			0				✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		

ENTERED BY: MR
CHECKED BY: MRBottom Depth: 3503Cast # down: 69Cast # up: 69

Time	LOC	UTC
Begin:		2045
Bottom:		2054
End:		2117

START POSITION (GPS)	
LAT:	47°45'42
LONG:	133°37'49

BOTTOM POSITION (GPS)	
LAT:	47°45'35
LONG:	133°37'57

END POSITION (GPS)	
LAT:	47°45'11
LONG:	133°37'64

Comments:

Surgeon DOE / Day 0 3m 5.800 ml/l

ROSETTE LOG

MISSION ID: 9829
STATION NAME: OXY TEST

UTC DATE y/m/d: 98/09/10
CAST NUMBER: 79

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	238	97			12:38	11 Sept											1.659	
2	239	285															1.644	
3	240	333															1.651	
4	241	337															1.643	
5	242	364															1.652	
6	243	392			13:00	12/9/98											1.645	
7	244	412															1.650	poor.
8	245	425															1.633	
9	246	443															1.644	
10	247	463			14:39	13/9/98											1.644	
11	248	467															1.646	
12	249	486															1.644	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 3525

Cast # down: 79
Cast # up: 79

Time	LOC	UTC
Begin:		
Bottom:		20:30
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 47 34.2
LONG: 133 29.40

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9829
STATION NAME: COBB2

UTC DATE y/m/d: 98/09/11
CAST NUMBER: 81

SHIP: _____

[illegible]

ENTERED BY:

CHECKED BY:

Bottom Depth: 1178

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1541
Bottom:		1548
End:		

START POSITION (GPS)	
LAT:	
LONG:	

BOTTOM POSITION (GPS)	
LAT:	46 40.99
LONG:	130 47.99

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9829

UTC DATE y/m/d:

98/09/11

STATION NAME:

C08B6

CAST NUMBER:

85

SHIP:

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

ROSETTE OPERATION

Samples taken

Trip Confirmed
pressure Salinity

SAL OXY NUT CHL ALK TCO C13

1	256			100	33	✓	✓	✓	✓	✓										
2	257			75	22	✓														
3	258			50	10	✓														
4	259			30																
5	260			20																
6	261			10																
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
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17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 35

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1816

Bottom:

End:

START POSITION (GPS)

LAT: 46 45.36

LONG: 130 48.43

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9829

UTC DATE y/m/d:

98/09/11

STATION NAME:

COBB10

CAST NUMBER:

89

SHIP: JOHN P TULLY

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	262			100		/													
2	263			75		/													
3	264			50		/													
4	265			30		/													
5	266			20		/													
6	267			10		/													
7																			
8																			
9																			
10																			
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22																			
23																			
24																			

Comments:

ENTERED BY: F.W.

CHECKED BY: M.R.

Bottom Depth: 12 31

Cast # down: 89

Cast # up: 89

Time LOC UTC

Begin: 2222

Bottom: 2229

End: 2243

START POSITION (GPS)

LAT: 46° 49' 66"

LONG: 130° 49' 29"

BOTTOM POSITION (GPS)

LAT: 46° 49' 72"

LONG: 130° 49' 32"

END POSITION (GPS)

LAT: 46° 49' 57"

LONG: 130° 49' 41"

Ann. S. 1885

9829

98/09/12

P15-1608

91.

LONG:

Comments:

- ↳ oxygen from bottle 11. storage test.

ROSETTE LOG

MISSION ID:

9829

UTC DATE y/m/d:

98/09/13

STATION NAME:

P15-1605

"FREONS"

CAST NUMBER:

93

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth
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ROSETTE OPERATION	
Trip pressure	Confirmed Salinity

Samples taken									
SAL		NUT		ALK		TCO			
	OXY		CHL		C13		CECs		

1	283			1500	1501	✓		✓											
2	284			1500	1502	✓		✓											
3	285			1500	1502	✓													
4	286			1500	1500	✓													
5	287			1500	1502	✓													
6	288			1500	1502	✓													
7	289			1500	1502	✓													
8	290			1500	1503	✓													
9	291			1500	1502	✓													
10	292			1500	1502	✓													
11	293			1000	1000	✓													
12	294			800	799	✓													
13	295			600	600	✓													
14	296			400	400	✓													
15	297			200	200	✓													
16	298			100	100	✓													
17	299			50	50	✓													
18	300			50	49	✓													
19	301			10	10	✓													
20																			
21																			
22																			
23																			
24																			

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 3336

Cast # down:

Cast # up:

Time	LOC	UTC
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Begin: 2150

Bottom: 2213

End: 2250

START POSITION (GPS)

LAT: 47 22.90

LONG: 133 25 03

BOTTOM POSITION (GPS)

LAT: 47 23.02

LONG: 133 25.46

END POSITION (GPS)

LAT: 47 22.78

LONG: 133 25.95

ROSETTE LOG

MISSION ID: 9829
STATION NAME: P12 "Freons"UTC DATE y/m/d: 98/09/16
CAST NUMBER: 94SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY	①	CHL		C13		CFC				
1	302			1500		✓	✓	✓	✓					✓				
2	303			1200		✓												
3	304			1000		✓												
4	305			900		✓												
5	306			800		✓												
6	307			750		✓												
7	308			700		✓												
8	309			650		✓												
9	310			600		✓												
10	311			500		✓												
11	312			400		✓												
12	313			300		✓												
13	314			250		✓												
14	315			200		✓												
15	316			150		✓												
16	317			125		✓												
17	318			100		✓												
18	319			75		✓												
19	320			50		✓												
20	321			25		✓												
21	322			10		✓												
22	323			0														
23							✓	✓	✓					✓				
24																		

ENTERED BY: FWCHECKED BY: BM, MRBottom Depth: 3250Cast # down: 94Cast # up: 94

Time LOC UTC

Begin: 1818Bottom: 1843End: 1926

START POSITION (GPS)

LAT: 48 52.95LONG: 130 39.84

BOTTOM POSITION (GPS)

LAT: 48 52.55LONG: 130 39.42

END POSITION (GPS)

LAT: 48 52.96LONG: 130 39.08

Comments: