

ROSETTE LOG

MISSION ID: 9905
STATION NAME: V105

UTC DATE y/m/d: 99 01 23
CAST NUMBER: 002

SHIP: Tully

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

ROSETTE OPERATION		Samples taken										99050002.004	
Trip	Confirmed	SAL		NUT		ALK		TCO				OXY	Genl pt
pressure	Salinity		OXY		CHL		C13					ML/L	Dose

ENTERED BY: D Spear
CHECKED BY:

1	1	1270		46	46		✓	✓	✓				5.26	0.892
2	2	1271		30	30		✓	✓	✓				5.25	0.858
3	3	1272		20	19.5		✓	✓	✓				5.23	0.876
4	4	1273		10	10		✓	✓	✓				5.26	0.893
(5)				* No surface sample										
6														
7														
8											5		5.0	#
9											7.1		7.1	Depth
10											6.1		6.1	/
11											8.3		8.3	
12											7.2		7.2	
13											7.3		6.2	O ₂
14											6.3		7.3	titer
15											6.0		7.0	K
16											7.2		7.2	
17											7.3		7.3	
18											7.3		7.3	
19														
20														
21														
22														
23														
24														

Bottom Depth: 57

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0204

Bottom:

End:

START POSITION (GPS)

LAT: 48°11.33'

LONG: 123°17.83'

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

* NO SAMPLE #5

26 O₂ min
34 O₂ vol
41 titer

36
42
47 Rank

53 K
60 Rank
67 sta.

\$100.

Ver 11

ROSETTE LOG

MISSION ID:

9905

STATION NAME:

VI04

UTC DATE y/m/d:

Jan 23, 99

CAST NUMBER:

003

0303 UTC

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

99050003.OXY

OXY

ML/L

End pt
usage

ENTERED BY:

CHECKED BY:

Bottom Depth:

186

Cast # down:

9905003

Cast # up:

Time LOC UTC

Begin: 0303

Bottom:

End:

START POSITION (GPS)

LAT: 48° 8.74' N

LONG: 123° 23.37' W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

1	6	1274		186	186	✓	✓	✓										4.95	0.829
2	7	1276		175	177													5.33	0.871
3	8	1275		150	150													5.38	0.910
4	9	1277		125	125													4.74	0.782
5	10	1278		100	100													4.60	0.757
6	11	1279		75	74.6													4.76	0.795
7	12	1280		50	50													4.75	0.812
8	13	1281		30	29.7													5.18	0.848
9	14	1282		20	19.3													5.19	0.931
10	15	1283		10	10													5.62	1.007
11	16	1284		0														6.69	1.204
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

Note: These samples were in reversed position in the box - possible label/order mix up? If data looks wrong this could explain it.

ROSETTE LOG

MISSION ID:

9905

STATION NAME:

V103

UTC DATE y/m/d:

99/01/23

CAST NUMBER:

204

SHIP:

Tully

ENTERED BY:

D Spear

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						
1	17	1285	✓	B-5	338		✓	✓	✓									
2	18	1286	✓	300														
3	19	1287	✓	250														
4	20	1288	✓	200														
5	21	1289	✓	175														
6	22	1290	✓	150														
7	23	1291	✓	125														
8	24	1292	✓	100														
9	25	1293	✓	75														
10	26	1294	✓	50														
11	27	1295	✓	30														
12	28	1297	✓	20														
13	29	1298	✓	10														
14	30	1299	✓	0			↓	↓	↓									
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

Bottom Depth:

344

Cast # down:

004

Cast # up:

004

Time

LOC

UTC

Begin:

0359

Bottom:

0406

End:

START POSITION (GPS)

LAT: 49° 5.98' N

LONG: 123° 29.06' W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

99-05

UTC DATE y/m/d:

99/01/23

STATION NAME:

VIO 2

CAST NUMBER:

5

SHIP:

Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										99050005. Oxy mL/L	Conduct Dosegr.
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	31	2007	B-5	254			✓	✓									2.756	0.499
2	32	2060	200														3.044	0.555
3	33	2014	175														3.504	0.634
4	34	2015	150														3.752	0.672
5	35	2017	125														4.802	0.872
6	36	2019	100														4.782	0.868
7	37	2025	75														5.083	0.930
8	38	2027	50														4.641	0.832
9	39	2032	30														4.975	0.895
10	40	2033	20														5.373	0.969
11	41	2035	10														6.279	1.132
12	42	2036	0														7.114	1.288
13																	MOR	
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

OXYGEN analysis → Sample #31 Passed go before Dredge in salin so will need to remove duplicated info at beginning of file.

ENTERED BY:

J.L.

CHECKED BY:

Bottom Depth:

250

Cast # down:

5

Cast # up:

5

Time

LOC

UTC

Begin:

05:04

Bottom:

05:10

End:

05:25

START POSITION (GPS)

LAT: 49° 4.47' N

LONG: 123° 32.21' W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 49° 4.48' N

LONG: 123° 32.13' W

ROSETTE LOG

MISSION ID: 99-05
STATION NAME: VT01UTC DATE y/m/d: 99/01/23
CAST NUMBER: 6

SURFACE BOTTLE - 99059007.DAT

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										9905000 OXY ML/L	6-0x4 End Point Storage
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	43	2038		13-5	108.9		✓	✓									4.848	0.882
2	44	2040		75													4.714	0.850
3	45	2043		50													4.700	0.835
4	46	2044		30													5.294	0.934
5	47	2045		20													5.613	1.011
6	48	2047		10													5.821	1.047
7	49	2049		0			✓	✓									6.519	1.176
8																	None	
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: J. L.

CHECKED BY:

Bottom Depth: 121 m

Cast # down: 6

Cast # up: 6

Time LOC UTC

Begin: 06:03

Bottom: 06:08

End: 06:16

START POSITION (GPS)

LAT: 49° 28' N

LONG: 123° 35' 33" W

BOTTOM POSITION (GPS)

LAT: 49° 28' N

LONG: 123° 35' 34" W

END POSITION (GPS)

LAT: 49° 28' N

LONG: 123° 35' 33" W

Comments:

* SURFACE BOTTLE SEE FILE 99059007.*

ROSETTE LOG

MISSION ID:

99-05

UTC DATE y/m/d:

99/01/23

STATION NAME:

G-I03

CAST NUMBER:

7

SHIP:

Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										99050007.0xy	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				Oxy ML/L	End Point Doseage
1	50	2051		B-5	362		✓	✓									2.496	0.451
2	51	2052		300													2.690	0.482
3	52	2054		250													2.759	0.493
4	53	2055		200													2.952	0.531
5	54	2056		175													3.198	0.572
6	55	2057		150													3.896	0.696
7	56	2059		125													4.189	0.749
8	57	1180		100													4.224	0.759
9	58	2061		75													4.510	0.814
10	59	2062		50													4.826	0.881
11	60	2063		30													5.677	1.016
12	61	1141		20													6.645	0.972
13	62	1142		10													6.368	1.026
14	63	NO SAMPLE		0			✓	✓									MOR	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

NO SAMPLE # 63

ENTERED BY:

JK

CHECKED BY:

Bottom Depth:

376

Cast # down:

7

Cast # up:

Time

LOC

UTC

Begin:

0713

Bottom:

0722

End:

0741

START POSITION (GPS)

LAT: 49° 10.23' N

LONG: 123° 33.36

BOTTOM POSITION (GPS)

LAT: 49° 10.18' N

LONG: 123° 33.37' N

END POSITION (GPS)

LAT: 49° 10.24' N

LONG: 123° 33.44' W

ROSETTE LOG

MISSION ID:

99-05

UTC DATE y/m/d:

99/01/24

STATION NAME:

GEO4

CAST NUMBER:

18

SHIP:

Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										99050018 oxy	End Pt
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	64	1238		13-5	385		✓	✓									2.499	0.457
2	65	1237		300													2.653	0.480
3	66	1235		250													2.774	0.508
4	67	1234		200													2.932	0.534
5	68	1233		175													3.290	0.601
6	69	1231		150													3.483	0.634
7	70	1240		125													3.879	0.718
8	71	1241		100													4.539	0.829
9	72	1243		75													4.626	0.844
10	73	1244		50													5.060	0.922
11	74	1246		30													5.711	1.038
12	75	1247		20													6.352	1.149
13	76	1248		10													6.571	1.197
14	77	1249		0			✓	✓									6.756	1.227
15																	1.48.	
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 390

Cast # down: 18

Cast # up: 18

Time LOC UTC

Begin: 0846

Bottom: 0854

End:

START POSITION (GPS)

LAT: 49 12.62

LONG: 123 40.17

BOTTOM POSITION (GPS)

LAT: 49 12.64

LONG: 123 40.17

END POSITION (GPS)

LAT: 49° 12.65' N

LONG: 123° 40.24' W

Comments:

Completed oxygen analyzed Jan 24/99 10:45

ROSETTE LOG

MISSION ID:

9905

UTC DATE y/m/d:

99/01/23

STATION NAME:

Ind2

CAST NUMBER:

008

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										95050008.0xy	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				oxy	End Pt Dose%
1	78	1251		B-5	215				✓								2.731	0.495
2	79	1252		200	200												2.720	0.497
3	80	1253		175	175												2.880	0.522
4	81	1254		150	150												2.894	0.522
5	82	1255		125	125												2.944	0.536
6	83	1256		100	100												2.835	0.514
7	84	1257		75	75												1.795	0.328
8	85	1258		50	49.5												2.824	0.511
9	86	1260		30	30.6												4.036	0.722
10	87	1261		20	20												4.522	0.817
11	88	1262		10	10												4.448	0.802
12	89	1264		0					✓								6.847	1.227
13																	1408	
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 221

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1854

Bottom: 1858

End: 1916

START POSITION (GPS)

LAT: 49° 23.63' N

LONG: 122° 52.65' W

BOTTOM POSITION (GPS)

LAT: 49° 23.58' N

LONG: 122° 52.68' W

END POSITION (GPS)

LAT: 49° 23.58' N

LONG: 122° 52.61' W

ROSETTE LOG

MISSION ID: 99-05
STATION NAME: How4UTC DATE y/m/d: 99/01/23
CAST NUMBER: 9SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										99050009-Oxy	12090001-End pt
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	90	1195		B-5	279	✓		✓									0.065	0.018
2	91	1194		250		✓											0.055	0.016
3	92	1193		200		✓											0.138	0.031
4	93	1192		175		✓											0.329	0.065
5	94	1191		150		✓											1.127	0.209
6	95	1190		125		✓											1.699	0.311
7	96	1196		100		✓											2.034	0.371
8	97	1197		75		✓											3.424	0.622
9	98	1198		50		✓											4.132	0.741
10	99	1201		30		✓											4.670	0.843
11	100	1221		20		✓											4.694	0.859
12	101	1203		10		✓											4.881	0.876
13	102	1204		0		✓		✓									6.352	1.145
14																	1108	
15																		
16																		
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22																		
23																		
24																		

Comments:

Oxygen analysis complete @ 1150 Per Jan 24/99

ENTERED BY: J.L
CHECKED BY:Bottom Depth: 284Cast # down: 9

Cast # up:

Time	LOC	UTC
Begin:		2322
Bottom:		2328
End:		2345

START POSITION (GPS)		
LAT:	49°	35.56' N
LONG:	123°	14.60' N

BOTTOM POSITION (GPS)		
LAT:	49°	35.52' N
LONG:	123°	14.76' N

END POSITION (GPS)		
LAT:	49°	?
LONG:	123°	?

ROSETTE LOG

MISSION ID:

9905

STATION NAME:

N107

UTC DATE y/m/d:

99/01/24

CAST NUMBER:

010

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	103	✓		49	49		✓	✓	/									
2	104	✓		30	30		✓	✓	/									
3	105	✓		20	20		/	✓	/									
4	106	✓		10	10		✓	✓	/									
5	107			0	25		✓	-	/									
6																		
7																		
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23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

51

Cast # down:

010

Cast # up:

Time LOC UTC

Begin:

0151

Bottom:

0154

End:

0159

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9905

STATION NAME:

N106

UTC DATE y/m/d:

99 01 24

CAST NUMBER:

011

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	108	1215	*	B-5	166		✓	✓	✓								3.301	276 + 327 = 603
2	109			150	150													
3	110			125	125													
4	111			100	100													
5	112			75	75													
6	113			50	50													
7	114			30	30													
8	115			20	20													
9	116			10	10													
10	117		*	0	24													
11																		
12																		
13																		
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23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 170

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0225

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments: * 108 - cleared bubble off lens + %T go crazy. Re-zeroed + ran again.
* 117 - no sample

ROSETTE LOG

MISSION ID:

9905

STATION NAME:

N105

UTC DATE y/m/d:

990124

CAST NUMBER:

013

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	118	✓		260	260			✓	✓									
2	119	✓		200	200													
3	120	✓		175	175													
4	121	✓		150	150													
5	122	✓		125	125													
6	123	✓		100	100													
7	124	✓		75	75													
8	125	✓		50	50													
9	126	✓		30	30													
10	127	✓		20	20													
11	128	✓		10	10													
12	129	✓		0	2.7													
13																		
14																		
15																		
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21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

264

Cast # down:

9905013

Cast # up:

Time

LOC

UTC

Begin:

0316

Bottom:

0324

End:

START POSITION (GPS)

LAT:

49 19 67

LONG:

123 38 66

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 9905
STATION NAME: N104

UTC DATE y/m/d: 99/01/24
CAST NUMBER: 614

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	130	✓		Bot-5		✓	✓	✓										
2	131	✓		250		✓												
3	132	✓		200														
4	133	✓	*	175														
5	134	✓		150														
6	135	✓		125														
7	136	✓		100														
8	137	✓		75														
9	138	✓		50														
10	139	✓		30														
11	140	✓		20														
12	141	✓		10														
13	142	✓		0			✓	✓										
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 298

Cast # down: 14
Cast # up: 14

Time	LOC	UTC
Begin:		4:31
Bottom:		4:36
End:		4:50

START POSITION (GPS)
LAT: 49 17.94
LONG: 123 42.38

BOTTOM POSITION (GPS)
LAT: 49 17.90
LONG: 123 42.41

END POSITION (GPS)
LAT: 49 17.82
LONG: 123 42.33

Comments: * #133- extra acid added. Solid bits in flask

ROSETTE LOG

MISSION ID:

9905

UTC DATE y/m/d:

99/01/24

STATION NAME:

N103

CAST NUMBER:

15

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	143	✓		304-5		✓	✓											
2	144	✓		350														
3	145	✓		300														
4	146	✓		250														
5	147	✓		200														
6	148	✓		175														
7	149	✓		150														
8	150	✓		150														
9	151	✓		125														
10	152	✓		100														
11	153	✓		75														
12	154	✓		50														
13	155	✓		30														
14	156	✓		20														
15	157	✓		10			✓											
16	158	✓		0														
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 419

Cast # down:

Cast # up:

Time LOC UTC

Begin: 5:25

Bottom: 5:36

End:

START POSITION (GPS)

LAT: 49 16.01

LONG: 123 45.73

BOTTOM POSITION (GPS)

LAT: 49 16.01

LONG: 123 45.77

END POSITION (GPS)

LAT: 49

LONG: 123

ROSETTE LOG

MISSION ID: 9905
STATION NAME: NIO2UTC DATE y/m/d: 99/01/24
CAST NUMBER: 16

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	159	✓		Bot-5			✓								
2	160	✓		250											
3	161	✓		200											
4	162	✓		175											
5	163	✓		150											
6	164	✓		125											
7	165	✓		100											
8	166	✓		75											
9	167	✓		50											
10	168	✓		30											
11	169	✓		20											
12	170	✓		10											
13	171	✓	*	0			✓								
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:

CHECKED BY:

Bottom Depth: 326Cast # down: 16Cast # up: 16

Time	LOC	UTC
Begin:		<u>0641</u>
Bottom:		<u>0649</u>
End:		<u>0705</u>

START POSITION (GPS)	
LAT:	<u>49 14.63</u>
LONG:	<u>123 48.56</u>

BOTTOM POSITION (GPS)	
LAT:	<u>49 14.67</u>
LONG:	<u>123 48.56</u>

END POSITION (GPS)	
LAT:	<u>49 14 64</u>
LONG:	<u>123 48 63</u>

Comments:

* #171 cracked flask

ROSETTE LOG

MISSION ID: 9905
STATION NAME: NIO1

UTC DATE y/m/d: 99/01/24
CAST NUMBER: 17

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	172	✓		Bot - 5			✓								
2	173	✓		75											
3	174	✓		50											
4	175	✓		30											
5	176	✓		20											
6	177	✓		10											
7	178	✓	*	0			✓								
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:
CHECKED BY:

Bottom Depth: 114

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:

* 178- Solid bits. Added acid

ROSETTE LOG

MISSION ID: 9905
STATION NAME: G102UTC DATE y/m/d: 99/01/25
CAST NUMBER: 019SHIP: JP Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	179	✓		B-5	252				✓	✓								
2	180	✓		200	200													
3	181	✓		175	175													
4	182	✓		150	150													
5	183	✓		125	125													
6	184	✓		100	100													
7	185	✓		75	76													
8	186	✓		50	50													
9	187	✓		30	30													
10	188	✓		20	19.4													
11	189	✓		10	10.3													
12	190	✓	*	0	2.7													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: GO
CHECKED BY: GABottom Depth: 249Cast # down: 9905019

Cast # up:

Time	LOC	UTC
Begin:		0153
Bottom:		0159
End:		

START POSITION (GPS)
LAT:
LONG:BOTTOM POSITION (GPS)
LAT:
LONG:END POSITION (GPS)
LAT:
LONG:

Comments: * #190 - Solid bits - added extra acid

ROSETTE LOG

MISSION ID: 9905
STATION NAME: G101

UTC DATE y/m/d: 99/01/25
CAST NUMBER: 20

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	191	✓		B-5	154		✓	✓	✓									
2	192	✓		150	150													
3	193	✓		125	125													
4	194	✓		100	100													
5	195	✓		75	74.5													
6	196	✓		50	49.6													
7	197	✓		30	29.6													
8	198	✓		20	20													
9	199	✓		10	9.8													
10	200	✓		0			✓	✓	✓									
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 163

Cast # down: 20
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: 9905
STATION NAME: MIO3

UTC DATE y/m/d: 99/01/25
CAST NUMBER: 23

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	201	✓		Bott-5			X													
2	202	✓		Bott-10																
3	203	✓		100			X													
4	204	✓		75																
5	205	✓		50			X													
6	206	✓		20	30.0		X													
7	207	✓		10	20.5															
8	208	✓		0	10.4		X													
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 128 m

Cast # down: 23

Cast # up: 23

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: 9905
STATION NAME: 8103UTC DATE y/m/d: 99/01/25
CAST NUMBER: 30

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	209	✓		Bot-5		✓		✓										
2	210	✓		125		✓												
3	211	✓		100		✓												
4	212	✓		75		✓												
5	213	✓		50		✓												
6	214	✓		30		✓												
7	215	✓		20		✓												
8	216	✓		10		✓												
9	217	✓		0				✓										
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 162

Cast # down: 30

Cast # up: 30

Time	LOC	UTC
Begin:		0832
Bottom:		
End:		

START POSITION (GPS)		
LAT:	48	51 82
LONG:	123	05 06

BOTTOM POSITION (GPS)		
LAT:	48	51 83
LONG:	123	05 06

END POSITION (GPS)		
LAT:	48	51 82
LONG:	123	04 98

Comments:

ROSETTE LOG

MISSION ID:

9905

UTC DATE y/m/d:

STATION NAME:

EFF01

CAST NUMBER:

36

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	218	✓		30	30			X											
2	219	✓		20	20														
3	220	✓		10	10														
4	221	✓		0	2.2														
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:

36

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: 9905
STATION NAME: EFF02

UTC DATE y/m/d: 990127
CAST NUMBER: 37

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	222	✓		B-5	168													
2	223	✓		50	50													
3	224	✓		30	30													
4	225	✓		20	20													
5	226	✓		10	9.4													
6	227	✓		0	2.1													
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:
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: 9905
STATION NAME: EFF03

UTC DATE y/m/d: 99/01/27
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						
1	228	✓		0-5	116			X										
2	229	✓		75	744													
3	230	✓		50	50													
4	231	✓		30	30													
5	232	✓		20	20													
6	233	✓		10	10.6													
7	234	✓		0	2.1			↓										
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:

Bottom Depth: 123

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:

235
Cruise
9905
EFF03
OXY
BOT#8
↑
Not collected

ROSETTE LOG

MISSION ID: 9905
STATION NAME: FFF04

UTC DATE y/m/d: 99/01/27
CAST NUMBER: 39

SHIP: Tullx

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	✓		B-5	47			X												
2	237	✓		30	31															
3	238	✓		20	20															
4	239	✓		10	10															
5	240	✓		0	2.2			↓												
6	241																			
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 53

Cast # down: 9905039
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:

9905

UTC DATE y/m/d:

99/01/

STATION NAME:

EFF05

CAST NUMBER:

040

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	241	✓		135	197				X									
2	242	✓		175	175													
3	243	✓		150	150													
4	244	✓		125	125													
5	245	✓		100	100													
6	246	✓		75	75													
7	247	✓		50	49.4													
8	248	✓		30	30													
9	249	✓		20	20													
10	250	✓		10	10.4													
11	251	✓		0	2.0				✓									
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: 0332

Bottom: 0336

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:
STATION NAME: EFF 06

UTC DATE y/m/d: 99/01/27
CAST NUMBER: 41

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	252	✓		B-5				X										
2	253	✓		125														
3	254	✓		100														
4	255	✓		75														
5	256	✓		50														
6	257	✓		30														
7	258	✓		20														
8	259	✓		10														
9	260	✓		0														
10																		
11																		
12																		
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17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 152

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: 9905
STATION NAME: EFO7

UTC DATE y/m/d: 99/01/27
CAST NUMBER: 42

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	261	✓		B-5		✓														
2	262	✓		100		✓														
3	263	✓		75		✓														
4	264	✓		50		✓														
5	265	✓		30		✓														
6	266	✓		20		✓														
7	267	✓		10		✓														
8	268	✓		0		✓														
9																				
10																				
11																				
12																				
13																				
14																				
15																				
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22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 120

Cast # down: 42
Cast # up: 42

Time	LOC	UTC
Begin:		0436
Bottom:		0439
End:		0444

START POSITION (GPS)
LAT: 49 01.27
LONG: 125 09.41

BOTTOM POSITION (GPS)
LAT: 49 01.27
LONG: 125 09.38

END POSITION (GPS)
LAT: 49 01.24
LONG: 125 09.34

Comments:

ROSETTE LOG

MISSION ID:

9905

UTC DATE y/m/d:

99/01/27

SHIP:

Tully

STATION NAME:

EFF08

CAST NUMBER:

43

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	269	2054		B-5		✓											1725	141.79
2	270	2055		50		✓											1727	142.86
3	271	2056		30		✓											1976	142.20
4	272	2057		20		✓											1.115	142.28
5	273	2059		10		✓											1.133	142.51
6	274	1180		0		✓											1.212	143.22
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
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18																		
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20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 84

Cast # down: 043

Cast # up: 043

Time LOC UTC

Begin: 0508

Bottom: 0511

End: 0516

START POSITION (GPS)

LAT: 49 00 .67

LONG: 125 10 .20

BOTTOM POSITION (GPS)

LAT: 49 00 .66

LONG: 125 10 .20

END POSITION (GPS)

LAT: 49 00 .66

LONG: 125 10 .21

Comments:

273 entered as 20m in titration not 10m

274 10m from pump titration

ROSETTE LOG

MISSION ID: 9905
STATION NAME: EFF09

UTC DATE y/m/d: 99/01/27
CAST NUMBER: 044

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	275	✓		Bot-5	✓										
2	276	✓		50	✓										
3	277	✓		30	✓										
4	278	✓		20	✓										
5	279	✓		10	✓										
6	280	✓		0	✓										
7															
8															
9															
10															
11															
12															
13															
14															
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16															
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18															
19															
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21															
22															
23															
24															

ENTERED BY:
CHECKED BY:

Bottom Depth: 59

Cast # down: 044
Cast # up: 044

Time	LOC	UTC
Begin:		0532
Bottom:		0535
End:		0539

START POSITION (GPS)
LAT: 49 00.10
LONG: 125 10.87

BOTTOM POSITION (GPS)
LAT: 49 00.10
LONG: 125 10.88

END POSITION (GPS)
LAT: 49 00.08
LONG: 125 10.89

Comments:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												mL/L	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
								OXY		CHL		C13								
1	281	2051		Bot - 5		✓													4.432	
2	282	2052		75		✓													4.278	
3	283	1198		50		✓													4.424	
4	284	1201		30		✓													5.921	
5	285	1221		20		✓													6.292	
6	286	1203		10		✓													6.516	
7	287	1204		0		-													6.973	
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 102m

Cast # down: 045
Cast # up: 045

TimeLOCUTC

Begin:0554

Bottom:0557

End:0606

START POSITION (GPS)

LAT: 48 59 . 83

LONG: 125 11 . 23

BOTTOM POSITION (GPS)

LAT: 48 59 . 83

LONG: 125 11 . 23

END POSITION (GPS)

LAT: 48 59 . 81

LONG: 125 11 . 24

Comments:

ROSETTE LOG

MISSION ID: 9905
STATION NAME: EFF11

UTC DATE y/m/d: 99/01/27
CAST NUMBER: 046

SHIP: Tully

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

ROSETTE OPERATION		Samples taken												End Point	mL/L
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
			OXY		CHL		CI3								

1	288	1206		Bott-5				✓							.819	4.551
2	289	1209		50											.828	4.546
3	290	1210		30											1.089	6.017
4	291	1211		20											1.150	6.360
5	292	1212		10											1.171	6.490
6	293	1215		0				✓							1.232	6.788
7																
8																
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24																

ENTERED BY:
CHECKED BY:

Bottom Depth: 85

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0624
Bottom:		0627
End:		0631

START POSITION (GPS)		
LAT:	48	59.09
LONG:	125	11.05

BOTTOM POSITION (GPS)		
LAT:	48	59.09
LONG:	125	11.04

END POSITION (GPS)		
LAT:	48	59.08
LONG:	125	11.02

Comments:

ROSETTE LOG

MISSION ID: 9905
STATION NAME: EFF12UTC DATE y/m/d: 99/01/27
CAST NUMBER: 047

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										End Point	mL/L
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	294	1216		Bott - 5		✓		✓									0.821	4.590
2	295	1217	*	75		✓											0.849	4.704
3	296	1218		50		✓											0.958	5.217
4	297	1219		30		✓											1.104	5.959
5	298	1224		20		✓											1.159	6.408
6	299	1202		10		✓											1.195	6.582
7	300	1223		0		✓		✓									1.249	6.970
8																		
9																		
10																		
11																		
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ENTERED BY:
CHECKED BY:

Bottom Depth: 94

Cast # down: 47

Cast # up: 47

Time	LOC	UTC
Begin:		0705
Bottom:		0707
End:		0712

START POSITION (GPS)		
LAT:	48	58 . 00
LONG:	125	10 . 49

BOTTOM POSITION (GPS)		
LAT:	48	58 . 00
LONG:	125	10 . 50

END POSITION (GPS)		
LAT:	48	57 . 99
LONG:	125	10 . 51

Comments:

* Busted flask - flask thrown out

ROSETTE LOG

MISSION ID:

9905

UTC DATE y/m/d:

99/01/27

SHIP:

Tully

STATION NAME:

EPF13

CAST NUMBER:

048

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										End Point	mL/L
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	301	1238		3-5													0.947	5.221
2	302	1237		75													0.859	4.780
3	303	1235		50													0.994	5.467
4	304	1234		30													1.108	6.127
5	305	1233		20													1.236	6.810
6	306	1231		10													1.203	6.647
7	307	1240		0													1.294	7.025
8																		
9																		
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24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 107

Cast # down: 48

Cast # up: 48

Time LOC UTC

Begin: 07:34

Bottom: 07:37

End:

START POSITION (GPS)

LAT: 48 56 .50

LONG: 125 10 .73

BOTTOM POSITION (GPS)

LAT: 48 56 .50

LONG: 125 10 .73

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9905

UTC DATE y/m/d:

Jan 27

SHIP:

Tolly

STATION NAME:

A1

CAST NUMBER:

49

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										End Point	mL/L
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	308	1141		B-5	525		✓	✓									0.141	0.845
2	309	1142		400	400		✓	✓									0.230	1.399
3	310	1138		350	352		✓	✓									0.258	1.586
4	311	1139		300	301		✓	✓									0.331	2.037
5	312	1143		250	250		✓	✓									0.347	2.135
6	313	1144		200	198		✓	✓									0.367	2.273
7	314	1146		175	174		✓	✓									0.375	2.331
8	315	1148		150	148		✓	✓									0.397	2.491
9	316	1150		125	120		✓	✓									0.487	3.018
10	317	1152		100	96		✓	✓									0.503	3.134
11	318	1153		75	74		✓	✓									0.713	4.448
12	319	1154		50	50		✓	✓									0.989	6.169
13	320	1155		30	30		✓	✓									1.057	6.503
14	321	1157		20	20		✓	✓									1.139	6.826
15	322	1158		10	10		✓	✓									1.061	6.505
16	323	1160		0	2		✓	✓									1.143	6.511
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

534

Cast # down:

49

Cast # up:

49

Time

LOC

UTC

Begin:

1056

1856

Bottom:

End:

1131

1931

START POSITION (GPS)

LAT: 48 32 20

LONG: 126 12 29

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 48 31 86

LONG: 126 12 13