

Rosette Log

CRUISE ID: 9737
STATION NAME: SI03UTC DATE y/m/d: 97/10/21
CAST NO.: 2SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
1	1	1032	9.3	176	176.2	✓	31.1763		✓									0.0
2	2	1036	9.3	125	150.5	✓	31.1532											0.0
3	3	1045	9.3	100	124.8	✓	31.0797						✓					183
4	4	1052	9.3	75	100.6	✓	30.9602						✓					180
5	5	1062	10.2	50	75.8	✓	30.0760											2220
6	6	1090	11.0	30	50.9	✓	29.3857											3.071
7	7	1103	11.0	20	30.9	✓	29.1038											3.599
8	8	1104	11.0	10	20.8	✓	28.9636											3.761
9	9	1105	11.1	0	16.3	✓	28.7328		✓									4.475
10	10	1106	10.8		1.2	✓	26.7389		✓									6519
11																		
12																		
13																		
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20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:Bottom Depth: 182Cast # down: 001Cast # up: 002

Time	LOC	UTC
Begin:		03
Bottom:		03:50:34
End:		04:02

START POSITION (GPS)
LAT:
LONG:BOTTOM POSITION (GPS)
LAT: 48 39.32
LONG: 123 30.124END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9737
STATION NAME: SATCHUTC DATE y/m/d: 97/10/21
CAST NO.: 3SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
1	11		10.7	85	73.1	✓ 29.4888		✓			✓		L					3.663
2	12		10.8	75	50.5	✓ 29.3497		✓			✓							3.576
3	13		10.8	50	31.1	✓ 29.0215		✓			✓							3.988
4	14		10.8	30	19.9	✓ 28.8251		✓			✓							4.331
5	15		10.7	20	10.5	✓ 28.3589		✓			✓							4.776
6	16		10.8	10	0.6	✓ 28.0947		✓			✓		✓					5.016
7	17																	
8																		
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22																		
23																		

ENTERED BY: CHECKED BY: Bottom Depth: 86Cast # down: 3Cast # up: 3

Time LOC UTC

Begin: 0520Bottom: 05:23:09End:

START POSITION (GPS)

LAT: 48 43.36LONG: 123 25.84

BOTTOM POSITION (GPS)

LAT: LONG:

END POSITION (GPS)

LAT: LONG: Comments:

Rosette Log

CRUISE ID: 9737
STATION NAME: SwansonUTC DATE y/m/d: 97/10/21
CAST NO.: 4.SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
1	17		10.6	150	157.0	✓ 30.7191	✓				✓							3.989
2	18		10.6	125	125.2	✓ 30.6367	✓				✓							4.029
3	19		10.6	100	100.2	✓ 30.4431	✓				✓							4.084
4	20		10.6	75	75.1	✓ 30.1608	✓				✓							4.195
5	21		10.7	50	50.3	✓ 29.8004	✓				✓							4.301
6	22		10.7	30	30.2	✓ 29.4198	✓				✓							4.337
7	23		10.7	20	20.0	✓ 28.9821	✓				✓							4.481
8	24		10.7	10	10.3	✓ 28.7811	✓				✓							4.502
9	25		10.7	0	1.0	✓ 28.3276	✓				✓		✓					4.813
10																		
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ENTERED BY:
CHECKED BY: Bottom Depth: 167Cast # down: 4Cast # up: 4

Time	LOC	UTC
Begin:		0625
Bottom:		06:29:06
End:		0638

START POSITION (GPS)	
LAT:	48 44.29
LONG:	123 17.49

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)	
LAT:	
LONG:	

Comments:

Rosette Log

CRUISE ID: 9737
STATION NAME: STUART ISL.UTC DATE y/m/d: 97/10/21
CAST NO.: 5SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
1	26	1145	10.3	336	315.0	✓ 31.3809		✓				✓	✓		an bubble		4.044	
2	27	1146	10.3	300	300.9	✓ 31.2919							✓				3.784	
3	28	1148	10.5	250	248.9	✓ 31.0145							✓				3.887	
4	29	1150	10.5	200	202.2	✓ 30.8687											3.942	
5	30	1152	10.5	175	175.7	✓ 30.8254											3.974	
6	31	1153	10.5	150	151.1	✓ 30.8226											3.971	
7	32	1154	10.6	125	124.8	✓ 30.6857											4.011	
8	33	1155	10.6	100	101.3	✓ 30.3948											4.134	
9	34	1157	10.6	75	76.8	✓ 30.1606											4.200	
10	35	1158	10.6	50	49.5	✓ 29.9950											4.243	
11	36	1160	10.7	30	24.5	✓ 29.3875											4.423	
12	37	1163	10.7	20	19.7	✓ 29.3872											4.450	
13	38	1168	10.7	10	9.2	✓ 29.1713											4.480	
14	39	1169	10.7	0	0.8	✓ 28.5832		✓				✓		✓			4.716	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:Bottom Depth: 315Cast # down: 5Cast # up: 5

Time	LOC	UTC
Begin: 07:50		07:38
Bottom:		07:48:16
End:	1:10	08:08

START POSITION (GPS)
LAT: <u>48 40.84</u>
LONG: <u>123 15.40</u>

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: <u>48 40.037</u>
LONG: <u>123 15.208</u>

Comments: Bottle 8 sample 33 an vent open
#26 large an bubble in flask

ROSETTE LOG

MISSION ID: 9737
STATION NAME: HAROUTC DATE y/m/d: 97/10/21
CAST NUMBER: 8SHIP: 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	44	1171	10.1	294	283.1	✓	31.7109	✓	✓	✓								3.514
2	45	1173	10.2	250	251.4	✓	31.4908	✓										3.659
3	46	1174	10.3	200	202.3	✓	31.2564	✓										3.843
4	47	1175	10.5	175	173.6	✓	30.8466											3.979
5	48	1176	10.6	150	148.8	✓	30.7527											4.035
6	49	1177	10.6	125	123.8	✓	30.6775											4.035
7	50	1178	10.6	100	98.4	✓	30.6138											4.125
8	51	1180	10.6	75	73.8	✓	30.2003											4.180
9	52	1182	10.6	50	48.4	✓	30.1519											4.212
10	53	1183	10.6	20	21.3	✓	29.8604											4.301
11	54	1187	10.6	10	11.6	✓	29.7637											4.344
12	55	1188	10.7	0	0.9	✓	28.8707	✓	✓	✓								4.544
13																		
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21																		
22																		
23																		
24																		

Comments: * no 30m sampleENTERED BY:
CHECKED BY:Bottom Depth: 289mCast # down: 8Cast # up: 8

Time	LOC	UTC
Begin:	<u>02:56</u>	<u>09:54</u>
Bottom:	<u>03:03</u>	<u>10:02</u>
End:	<u>03:19</u>	<u>10:17</u>

START POSITION (GPS)	
LAT:	<u>48 33 740</u>
LONG:	<u>123 13.350</u>

BOTTOM POSITION (GPS)	
LAT:	<u>48 33.69</u>
LONG:	<u>123 13.29</u>

END POSITION (GPS)	
LAT:	<u>48 33 46</u>
LONG:	<u>123 13.20</u>

Rosette Log

CRUISE ID: 9737
STATION NAME: SH11UTC DATE y/m/d: 97/10/21
CAST NO.: 9SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
	1	57	1193	280					✓				✓					
	2	58	1194	250														
1	3	59	1195	200	265.7	✓	31.4624											
2	4	60	1196	175	177.1	✓	31.3900											
3	5	61	1197	150	153.0	✓	30.9293											
4	6	62	1198	125	126.2	✓	30.9025											
5	7	63	1201	100	100.1	✓	30.5028											
6	8	64	1202	75	74.6	✓	30.4419											
7	9	65	1203	50	50.1	✓	30.4404											
8	10	66	1204	30	30.1	✓	30.3665											
9	11	67	1206	20	19.9	✓	30.1443											
10	12	68	1208	10	10.3	✓	29.9262											
11	13	69	1209	0	1.6	✓	29.5672	✓			✓		✓					
14																		
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22																		
23																		

ENTERED BY:
CHECKED BY:Bottom Depth: 270Cast # down: 9Cast # up: 9

Time	LOC	UTC
Begin:		1056
Bottom:		1107
End:		1123

START POSITION (GPS)	
LAT:	48° 28' 64"
LONG:	123° 08' 60"

BOTTOM POSITION (GPS)	
LAT:	48° 28' 21"
LONG:	123° 08' 67"

END POSITION (GPS)	
LAT:	48° 27' 58"
LONG:	123° 08' 40"

Comments:

NO SAMPLE 57 and 58. Didn't go that deep

Rosette Log

CRUISE ID: 9737
STATION NAME: HEINE IS.

UTC DATE y/m/d: 97/10/21
CAST NO.: 10

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
1	70	1210	9.3	153	135.8	✓ 32.4822		✓				✓						3.178
2	71	1211	9.7	125	124.9	✓ 32.0758		✓				✓						3.252
3	72	1212	10.2	100	100.7	✓ 31.5608		✓				✓						3.637
4	73	1213	10.7	75	74.3	✓ 30.2967		✓				✓						4.344
5	74	1214	10.7	50	50.1	✓ 30.2430		✓				✓					POOR	4.435
6	75	1215	10.8	30	30.2	✓ 30.1264		✓				✓					POOR	
7	76	1216	10.8	20	20.3	✓ 29.9486		✓				✓						4.435
8	77	1217	10.8	10	10.4	✓ 29.6847		✓				✓						4.534
9	78	1218	10.7	0	0.7	✓ 29.5550		✓				✓		✓				4.655
10																		
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20																		
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22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 149

Cast # down: 10

Cast # up: 10

Time	LOC	UTC
Begin:		1218
Bottom:		1822
End:		1229

START POSITION (GPS)
LAT: 48° 22. 87
LONG: 123° 02. 68

BOTTOM POSITION (GPS)
LAT: 48° 22 88
LONG: 123° 02. 72

END POSITION (GPS)
LAT: 48° 23 00
LONG: 123° 02. 73

1.223

Comments: #74 an bubble on columnar lead.

Rosette Log

CRUISE ID: 9737
STATION NAME: SILL

UTC DATE y/m/d: 97/10/21
CAST NO.: 13

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
1	83	1219	9.4	108	108.2	✓ 32.4196		✓				✓						3.218
2	84	1220	9.8	100	100.3	✓ 32.0243												3.240
3	85	1221	10.0	75	75.7	✓ 31.6647												3.560
4	86	1222	10.4	50	49.6	✓ 31.3305												3.788
5	87	1223	10.7	30	29.7	✓ 31.1109												3.955
6	88	1224	10.8	20	19.4	✓ 30.9545												4.064
7	89	1225	11.2	10	10.3	✓ 30.3142												4.462
8	90	1226	11.0	0	1.1	30.1292		✓				✓						4.475
9																		
10																		
11																		
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ENTERED BY:
CHECKED BY:

Bottom Depth: 131

Cast # down: 13
Cast # up: 13

Time	LOC	UTC
Begin:		14 19
Bottom:		14 23
End:		14 30

START POSITION (GPS)
LAT: 48° 15.66
LONG: 123° 09.96

BOTTOM POSITION (GPS)
LAT: 48° 15.64
LONG: 123° 09.96

END POSITION (GPS)
LAT: 48° 15.69
LONG: 123° 09.74

Comments:

Rosette Log

CRUISE ID: 9737
STATION NAME: JDFUTC DATE y/m/d: 97/10/21
CAST NO.: 14SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
1	91	1228	8.4	136	136.7	✓ 33.3745		✓				✓						2.324
2	92	1229	8.4	125	124.4	✓ 33.3648		✓				✓						2.316
3	93	1230	9.0	100	99.4	✓ 32.9509		✓				✓						2.734
4	94	1231	9.5	75	77.6	✓ 32.2884		✓				✓						3.165
5	95	1233	10.1	50	49.1	✓ 31.7075		✓				✓						3.655
6	96	1234	10.4	30	30.6	✓ 31.3505		✓				✓						3.937
7	97	1235	10.6	20	21.0	✓ 31.1582		✓				✓						4.063
8	98	1237	10.8	10	10.2	✓ 30.8267		✓				✓						4.227
9	99	1238	10.9	0	11	✓ 30.6584		✓				✓		✓				4.419
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ENTERED BY:
CHECKED BY:Bottom Depth: 157Cast # down: 14Cast # up: 14

Time	LOC	UTC
Begin:		1552
Bottom:		1556
End:		1605

START POSITION (GPS)	
LAT:	48° 16.10
LONG:	123° 24.96

BOTTOM POSITION (GPS)	
LAT:	48° 16.07
LONG:	123° 24.92

END POSITION (GPS)	
LAT:	48° 16.22
LONG:	123° 24.80

Comments: oxygen flasks not shaken enough after picking.

Rosette Log

CRUISE ID: 9737
STATION NAME: LBP7UTC DATE y/m/d: 97/10/22
CAST NO.: 20SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC	OXY	TCO	C13	ALK	NUT	SAL	CHL	POC		Serial #	⁰² °C/dbar
1	104		3.4	1000	1001.1	✓	34.3162	✓										.339
2	105		3.7	800	801.2	✓	34.2142	✓					✓					.371
3	106		4.8	500	500.8	✓	34.0353	✓										.841
4	107		6.2	300	297.8	✓	33.9598	✓										1.799
5	108		7.7	150	147.0	✓	33.8231	✓										2.452
6	109		8.1	100	99.4	✓	33.3457	✓										3.688
7	110		8.9	60	62.0	✓	32.6626	✓										5.174
8		111	9.0	60	61.2	✓	32.6591											5.174
9	111	112	11.6	35	34.2	✓	32.0953	✓										5.334
10	112	113	13.2	12	12.0	✓	30.9699	✓										5.974
11		114	13.3	12	11.9	✓	31.0321											6.243
12	113	115	13.2	5	4.9	✓	30.2873	✓										6.230
13		116	13.2	2	2.5	✓	30.2737											6.333
14	114	117	13.1	2	2.0	✓	30.2719	✓										6.333
15	115	118	13.2	0	1.2	✓	30.2725	✓									POC	6.333
16		119	13.2	0	1.1	✓	30.2722											
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:Bottom Depth: 1872Cast # down: 19Cast # up: 20

Time	LOC	UTC
Begin:		1433
Bottom:		1453
End:		1517

START POSITION (GPS)	
LAT:	49° 52.45
LONG:	128° 11.23

BOTTOM POSITION (GPS)	
LAT:	49° 52.484
LONG:	128° 11.048

END POSITION (GPS)	
LAT:	49° 52.42
LONG:	128° 10.88

Comments:

#16 didn't fire

Rosette Log

CRUISE ID: 9737
STATION NAME: LBP2UTC DATE y/m/d: 97/10/22
CAST NO.: 21SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
1	116				87	✓		✓										2.197
2	117			50	51	✓		✓										3.615
3	118				40	✓		✓										5.145
4		119			40	✓												—
5		120			40	✓												—
6		121			40	✓												—
7	119	122			26	✓		✓										5.521
8	120	123			17	✓		✓										5.479
9		124			17	✓												—
10	121	125			5	✓		✓										5.774
11	122	126			2	✓		✓										5.955
12		127			2	✓												
13		128			2	✓												
14		129			2	✓												
15		130			2	✓												
16		131			2	✓												
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY: BMBottom Depth: 99Cast # down: 21Cast # up: 21

Time	LOC	UTC
Begin:		1703
Bottom:		17
End:		1718

START POSITION (GPS)		
LAT:	<u>50° 04' 02</u>	
LONG:	<u>127° 54.23</u>	

BOTTOM POSITION (GPS)		
LAT:		
LONG:		

END POSITION (GPS)		
LAT:	<u>50° 04' 10</u>	
LONG:	<u>127° 54.18</u>	

Comments:

Rosette Log

CRUISE ID: 9737
STATION NAME: LBP1UTC DATE y/m/d: 97/10/22
CAST NO.: 22SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
1	123				44	✓												4.801
2	124			30	30	✓												5.302
3	125			20	20	✓												5.501
4	126			10	10	✓												5.780
5	127			0	0	✓												6.221
6																		
7																		
8																		
9																		
10																		
11																		
12																		
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15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY: B.M.Bottom Depth: 55Cast # down: 22Cast # up: 22

Time	LOC	UTC
Begin:		1824
Bottom:		
End:		1830

START POSITION (GPS)	
LAT:	50°04.81
LONG:	127°52.96

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)	
LAT:	50°04.84
LONG:	127°52.97

Comments:

Rosette Log

CRUISE ID: 9737
STATION NAME: LBP3

UTC DATE y/m/d: 97/10/22
CAST NO.: 23

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC	OXY	TCO	C13	ALK	NUT	SAL	CHL	POC	NH4	Serial #	°C/dbar
1	128				160	✓		✓				✓	✓					1.984
2	129			150		✓		✓				✓						1.999
3	130			125		✓		✓				✓						2.189
4	131			100		✓		✓				✓						2.269
5	132			75		✓		✓				✓						3.766
6	133			50		✓		✓				✓		✓				5.333
7	134			30		✓		✓				✓		✓				5.608
8	135			20		✓		✓				✓		✓				5.504
9	136			10		✓		✓				✓		✓	✓			5.727
10	137			0		✓		✓				✓	✓	✓				6.028
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 171

Cast # down: 23

Cast # up: 23

Time	LOC	UTC
Begin:		1922
Bottom:		
End:		1935

START POSITION (GPS)
LAT: 5003.13
LONG: 12755.38

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LB04UTC DATE y/m/d: 97/10/22
CAST NUMBER: 24

SHIP:

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

ROSETTE OPERATION		Samples taken												02
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO						
			OXY		CHL		C13		NH4	Phy				
1	138			1185	1049	✓		✓	✓	✓				.349
2	139			1000		✓		✓						.337
3	140			800		✓		✓						.368
4	141			600		✓		✓						.558
5	142			500		✓								.946
6	143			400		✓								1.189
7	144			300		✓								1.735
8	145			250		✓								2.088
9	146			200		✓								1.975
10	147			175		✓								1.969
11	148			150		✓								1.931
12	149			125		✓								2.011
13	150			100		✓								2.528
14	151			75		✓								3.988
15	152			50		✓								5.264
16	153			30		✓								
17	154			20		✓								5.360
18	155			10		✓								5.488
19	156			6		✓		✓	✓	✓				5.885
20														
21														
22														
23														
24														

Comments: Bottle 16 empty, sample # 153ENTERED BY: BM

CHECKED BY:

Bottom Depth: 987Cast # down: 24Cast # up: 24

Time LOC UTC

Begin: 20 32Bottom: 20 52End: 21 19

START POSITION (GPS)

LAT: 50 01.41LONG: 127 58.14

BOTTOM POSITION (GPS)

LAT: 50 01.41LONG: 127 58.01

END POSITION (GPS)

LAT: 50 01.41LONG: 127 58.04Shore
lot

Rosette Log

CRUISE ID: 9737
STATION NAME: LBP5UTC DATE y/m/d: 97/10/22
CAST NO.: 25SHIP: Bruce

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
							OXY		C13		NUT		CHL					
1	157			1230	1285	✓		✓			✓	✓						505
2	158	1194		1000		✓						✓						361
3	159			800		✓						✓						325
4	160			600		✓						✓						586
5	161			500		✓						✓						936
6	162			400		✓												1257
7	163			300		✓												2003
8	164			250		✓												2073
9	165			200		✓												2008
10	166			175		✓								stopper loose				2264
11	167			150		✓												1946
12	168			125		✓												1995
13	169			100		✓												2310
14	170			75		✓												4296
15	171			50		✓												5146
16	172			30		✓												
17	173			20		✓												5385
18	174			10		✓												5709
19	175			0		✓		✓			✓	✓						5790
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 1283Cast # down: 25Cast # up: 25

Time LOC UTC

Begin: 2218

Bottom:

End:

START POSITION (GPS)

LAT: 4959.96LONG: 128 00.11

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments: cleaned Transmissometer lens.
oxygen sample 166, stopper not seated in flask.

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LBP6

UTC DATE y/m/d: 97/10/23
CAST NUMBER: 26

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		U4	Phy			
1	176			750	790	✓		✓										.303
2	177			600		✓												.597
3	178			500		✓												.758
4	179			400		✓												1.312
5	180			300		✓							.359		check			2.030
6	181			250		✓												2.010
7	182			200		✓												1.929
8	183			175		✓												1.992
9	184			150		✓												1.939
10	185			125		✓												1.983
11	186			100		✓												2.223
12	187			75		✓												3.504
13	188			50		✓				✓								5.180
14	189			30		✓				✓								5.439
15	190			20		✓				✓								5.262
16	191			10		✓				✓				✓				5.816
17	192			0		✓		✓		✓				✓				5.986
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: [signature]
CHECKED BY:

Bottom Depth: 770

Cast # down: 26
Cast # up: 26

Time	LOC	UTC
Begin:		0011
Bottom:		0030
End:		0050

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 49 56.17
LONG: 128 05.76

END POSITION (GPS)
LAT: 49 56.17
LONG: 128 05.85

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LG07

UTC DATE y/m/d: 97/10/23
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		Phyto			
								OXY		CHL		C13		NH4				
✓ 1	193	1032		1200		✓	✓	✓										
✓ 2	194	1036		1000		✓	✓											
✓ 3	195	1045		800		✓	✓											
✓ 4	196	1052		600		✓	✓											
✓ 5	197	1062		500		✓												
✓ 6	198	1070		400		✓												
✓ 7	199	1103		300		✓												
✓ 8	200	1104		250		✓												
✓ 9	201	1105		200		✓												
✓ 10	202	1106		175		✓												
✓ 11	203	1110	*	150		✓												
✓ 12	204	1113		125		✓												
✓ 13	205	1114		100		✓												
✓ 14	206	1119		75		✓												
✓ 15	207	1122		50		✓				✓								
✓ 16	208	1126		30		✓				✓								
✓ 17	209	1128		20		✓				✓								
✓ 18	210	1130		10		✓				✓				✓				
✓ 19	211	1132		0			✓	✓		✓					✓			
20																		
21																		
22																		
23																		
24																		

ENTERED BY: BB
CHECKED BY:

Bottom Depth: 1751

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		<u>0647</u>
Bottom:		
End:		<u>0745</u>

START POSITION (GPS)
LAT: 48 59.58
LONG: 127 7.35

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: *#203 - Double acid added = 2ml.

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LG06UTC DATE y/m/d: 97/10/23
CAST NUMBER: 28SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO		Phy			
								OXY		CHL		Cl3		NH4				02
✓ 1	212	1133		866	997.	✓	✓	✓	✓									
✓ 2	213	1134		800		✓	✓											
✓ 3	214	1135		600		✓	✓											
✓ 4	215	1136		500		✓												
✓ 5	216	1137		400		✓												
✓ 6	217	1138		300		✓												
✓ 7	218	1139		250		✓												
✓ 8	219	1141		200		✓												
✓ 9	220	1142		175		✓												
✓ 10	221	1143		150		✓												
✓ 11	222	1144		125		✓												
✓ 12	223			100		✓												3.720
✓ 13	224			75		✓												5.316
✓ 14	225			50		✓				✓							ROU	6.288
✓ 15	226			30		✓				✓								6.092
✓ 16	227			20		✓				✓								6.085
✓ 17	228			10		✓				✓				✓				6.089
✓ 18	229	1154		0		✓	✓	✓	✓					✓				6.086
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: BB.

CHECKED BY:

Bottom Depth: 997 m.Cast # down: 28Cast # up: 28

Time	LOC	UTC
Begin:		0834
Bottom:		0855
End:		0921

START POSITION (GPS)

LAT: 49 3.48LONG: 127 1.29

BOTTOM POSITION (GPS)

LAT: 49 3.46LONG: 127 1.23

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LG05

UTC DATE y/m/d: 97/10/23
CAST NUMBER: 29

SHIP:

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

ROSETTE OPERATION		Samples taken													
Trip	Confirmed	SAL		NUT		ALK		TCO		Phy/b					
pressure	Salinity		OXY		CHL		C13		NH4						
1	230	1155		275		✓		✓	✓						1.816
2	231			250		✓									1.895
3	232			200		✓									2.038
4	233			175		✓									2.042
5	234			150		✓									2.134
6	235			125		✓									2.367
7	236			100		✓									2.592
8	237			75		✓									3.693
9	238			50		✓									5.676
10	239			30		✓									5.630
11	240			20		✓									5.927
12	241			10		✓									6.123
13	242	1176		0											
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: BB
CHECKED BY:

Bottom Depth: 270

Cast # down: 29
Cast # up: 29

Time	LOC	UTC
Begin:		10:16
Bottom:		
End:		10:35

START POSITION (GPS)
LAT: 49 7.30
LONG: 126 55.45

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 49 07.37
LONG: 126 55.40

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: L604

UTC DATE y/m/d: 97/10/23
CAST NUMBER: 30

SHIP: TULLY

on cast
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	243	1177		138	✓	✓	436												2.425	
2	244	1178		125	✓	✓	476												2.629	
3	245	1180		100	✓	✓	522												2.904	
4	246	1182		75	✓	✓	633												3.513	
5	247	1183		50	✓	✓	777												4.318	
6	248	1187		30	✓	✓	1.107											Reor.	6.037	
7	249	1188		20	✓	✓	1.112												6.203	
8	250	1189		10	✓	✓	1.133												6.272	
9	251	1190		02		✓	1.133												6.305	
10	252			0																
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 147

Cast # down: 30
Cast # up: 30

Time	LOC	UTC
Begin:		1121
Bottom:		
End:		1132

START POSITION (GPS)
LAT: 49°11'22"
LONG: 126°49'47"

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 49°11'21"
LONG: 126°49'52"

Comments: Bottle #10 tripped by mistake. No real data or samples taken

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LG02

UTC DATE y/m/d: 97/10/23
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		CHL		C13						
1	252	1193		90		✓												2502
2	253	1194		75		✓												3941
3	254	1195		50		✓										145.88		5.025
4	255	1196		30		✓												5.743
5	256	1197		20		✓												5.782
6	257	1198		10		✓												6.006
7	258	1201		0		✓												6.150
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 102

Cast # down: 31
Cast # up: 31

Time	LOC	UTC
Begin:		12:53
Bottom:		
End:		1302

START POSITION (GPS)
LAT: 49°18.62
LONG: 126°38.15

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 49°18 67
LONG: 126°38 19

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: L601

UTC DATE y/m/d: 97/10/23
CAST NUMBER: 32

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	259	1202		45	✓										5.124
2	260	1203		30	✓										5.160
3	261	1204		20	✓										5.631
4	262	1206		10	✓										5.603
5	263	1208		0	✓										5.741
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: 54

Cast # down: 32
Cast # up: 32

Time	LOC	UTC
Begin:		1334
Bottom:		
End:		1340

START POSITION (GPS)
LAT: 49° 20.50
LONG: 126° 35.06

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 49° 20.52
LONG: 126° 35.06

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: 6603

UTC DATE y/m/d: 97/10/23
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								
1	264			100	114.7	✓														2.304
2	265			75	99.2	✓														2.632
3	266			50	75.6	✓														3.859
4	267			40	49.4	✓														5.679
5	268			40	38.9	✓														5.906
6		269		26	39.6	✓														—
7	269	270		17	26.6	✓														5.994
8	270	271		17	17.2	✓														6.162
9		272		5	16.7	✓														—
10	271	273		2	6.1	✓														6.157
11		274		2	2.0	✓														—
12		275		2	2.6	✓														—
13		276		0	2.8	✓														—
14	272	277		0	1.9	✓														6.155
15		278			2.0	✓														—
16																				—
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 124

Cast # down: 33
Cast # up: 33

Time	LOC	UTC
Begin:		1442
Bottom:		
End:		1454

START POSITION (GPS)
LAT: 49°14.91
LONG: 126°43.85

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 49°14.99
LONG: 126°43.89

Comments: oxygen flasks not shaken enough after recharging.

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LDD1

UTC DATE y/m/d: 97/01/23
CAST NUMBER: 34

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	273	1218		30		✓														5.226
2	274	1219		20		✓														5.366
3	275	1221		10		✓														5.768
4	276	1222		0		✓														5.978
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
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18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 38

Cast # down: 34
Cast # up: 34

Time	LOC	UTC
Begin:		1847
Bottom:		
End:		1852

START POSITION (GPS)
LAT: 49°00.04
LONG: 125°43.92

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 49°00.04
LONG: 125°43.94

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: 402

UTC DATE y/m/d: 97/10/23
CAST NUMBER: 35

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO		Phy			
								OXY		CHL		CI3		NH4				
1	277			40	35	✓		✓	✓	✓								4803
2	278			30		✓		✓	✓	✓								4793
3	279			20		✓		✓	✓	✓								5.478
4	280			10		✓		✓	✓	✓				✓				5.872
5	281			0		✓		✓	✓	✓					✓			5.944
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
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18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: BB
CHECKED BY:

Bottom Depth: 44

Cast # down: 35
Cast # up: 35

Time	LOC	UTC
Begin:		1927
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 58.35
LONG: 125 47.12

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LD 04

UTC DATE y/m/d: 97/10/23
CAST NUMBER: 38

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		NH4				
1	284			60	55	✓		✓									5.279	
2	285			50		✓		✓	✓	✓							5.258	
3	286			30		✓		✓	✓	✓							5.257	
4	287			20		✓		✓	✓	✓							5.391	
5	288			10		✓		✓	✓	✓				✓			5.940	
6	289			0		✓		✓	✓	✓				✓			5.976	
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: BB
CHECKED BY:

Bottom Depth: 64

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:	22:11	
Bottom:		
End:	22:18	

START POSITION (GPS)
LAT: 48 53.15
LONG: 125 57.11

BOTTOM POSITION (GPS)
LAT: 45 53.07
LONG: 125 57.09

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LDOG

UTC DATE y/m/d: 24/10/99/10/24
CAST NUMBER: 41

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	292	1235		125	126	✓		✓	✓										1.978	
2	293			100	100	✓		✓	✓										3.138	
3	294			75	75	✓		✓	✓										5.719	
4	295			50	51	✓		✓	✓	✓									6.497	
5	296			30	31	✓		✓	✓	✓									5.250	
6	297			20	21	✓		✓	✓	✓									5.437	
7	298			10	12	✓		✓	✓	✓									5.939	
8	299			0	2	✓		✓	✓	✓									5.949	
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 138

Cast # down: 41
Cast # up: 41

Time LOC (UTC)
Begin: 0020
Bottom:
End: 0035

START POSITION (GPS)
LAT: 48 46.143
LONG: 126 10.312

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48 46.141
LONG: 126 10.269

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LDC7

UTC DATE y/m/d: 97/10/24
CAST NUMBER: 42

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												OXY	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
								OXY		CHL		C13								
1	299	1247		500		✓		✓	✓										0.986	
2	300	1248		400		✓		✓	✓										1.361	
3	301	1249		300		✓		✓	✓										1.963	
4	302	1251		250		✓		✓	✓										2.295	
5	303	1252		200		✓		✓	✓										2.301	
6	304	1253		175		✓		✓	✓										2.537	
7	305	1254		150		✓		✓	✓										2.802	
8	306	1255		125		✓		✓	✓										?	
9	307	1256		100		✓		✓	✓										3.375	
10	308	1257		75		✓		✓											6.207	
11	309	1258		50		✓		✓		✓									5.670	
12	310	1260		30		✓		✓		✓									4.772	
13	311	1261		20		✓		✓		✓									5.502	
14	312	1262		10		✓		✓		✓									5.863	
15	313	1264		0		✓		✓		✓									5.933	
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: Jey
CHECKED BY:

Bottom Depth: 517

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0125
Bottom:		
End:		0152

START POSITION (GPS)
LAT: 42 42.748
LONG: 126 16.873

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48.663
LONG: 126 16.793

Comments:

Rosette Log

CRUISE ID: 9737
STATION NAME: L009UTC DATE y/m/d: 97/10/24
CAST NO.: 44

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC	OXY	TCO	CI3	ALK	NUT	SAL	CHL	POC	NH4	Serial #	°C / dbar
1	314			1045		✓		✓				✓	✓					.394
2	315			1000		✓							✓					.282
3	316			800		✓							✓					.274
4	317			600		✓							✓					.488
5	318			500		✓												.775
6	319			400		✓												1.376
7	320			300		✓												1.998
8	321			250		✓												2.305
9	322			200		✓												2.760
10	323			175		✓												2.996
11	324			150		✓												2.833
12	325			125		✓												3.237
13	326			100		✓												4.094
14	327			75		✓												6.232
15	328			50		✓								✓				6.704
16	329			30		✓								✓				5.638
17	330			20		✓								✓				5.843
18	331			10		✓								✓	✓			6.016
19	332			0				✓				✓	✓	✓		✓		6.020
20																		
21																		
22																		
23																		

Comments:

.714 .005 .006
.711 .002 .005
.713 .009 .008 .008 .005

ENTERED BY: BB

CHECKED BY:

Bottom Depth: 1040 m

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0410Bottom: 0454

End:

START POSITION (GPS)

LAT: 48 35.72LONG: 126 30.09

BOTTOM POSITION (GPS)

LAT: 48 35.79LONG: 126 30.26

END POSITION (GPS)

LAT:

LONG:

.713 .713 .709 .710
.715 .716 .712 .711
.713 .709 .709
.01013512 .01013011

ROSETTE LOG

MISSION ID:

9737

UTC DATE y/m/d:

97/10/29

STATION NAME:

L011

CAST NUMBER:

46

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	333	1032		1595	✓	✓	✓	✓								150	chuck	1815
2	334	1036		1500	✓		✓	✓										1852
3	335	1045		1200	✓		✓	✓										1842
4	336	1052		1000	✓		✓	✓										1833
5	337	1062		800	✓		✓	✓										1828
6	338	1090		600	✓		✓	✓										1818
7	339	1103		500	✓													1827
8	340	1104		400	✓													1897
9	341	1105		300	✓													2272
10	342	1106		250	✓													2678
11	343	1110		200	✓													2952
12	344	1113		175	✓													2735
13	345	1114		150	✓													3315
14	346	1119		125	✓													3711
15	347	1122		100	✓													4855
16	348	1126		75	✓													6076
17	349	1128		50	✓													6357
18	350	1130		30	✓													6206
19	351	1132		20	✓													6062
20	352	1133		10	✓													6139
21	353	1134		0	✓		✓	✓										6169
22																		
23																		
24																		

Comments:

ENTERED BY:

BB

CHECKED BY:

RM

Bottom Depth: 1595

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0750

Bottom:

End: 0903

START POSITION (GPS)

LAT: 48 28.79

LONG: 126 43.00

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 48 28.75

LONG: 126 43.09

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LCG

UTC DATE y/m/d: 97/10/25
CAST NUMBER: 57

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		phw	CIN	NH4 ure					
1	354	1032		600	602.4	✓		✓	✓											.489
2	355	1036		500	499.3	✓		✓	✓											.908
3	356	1045		400	399.6	✓		✓	✓											1.260
4	357	1052		300	298.6	✓		✓	✓											2.068
5	358	1062		250	250.8	✓		✓	✓											2.290
6	359	1090		200	199.4	✓		✓	✓											2.201
7	360	1103		175	175.0	✓		✓	✓											
8	361	1104		150	151.9	✓		✓	✓									no sample		2.034
9	362	1105		125	124.9	✓		✓	✓											2.721
10	363	1106		100	100.0	✓		✓	✓											4.037
11	364	1110		75	75.5	✓		✓	✓											6.238
12	7	—		60	60.4	✓		✓	✓		✓		✓	✓	✓					—
13	—	—		60	60.5	✓		✓	✓		✓		✓	✓	✓					—
14	365	1113		50	51.5	✓		✓	✓											6.295
15	366	1114		35	35.2	✓		✓	✓		✓									5.046
16	367	1119		20	20.4	✓		✓	✓											5.419
17	—	—		12	13.0	✓		✓	✓		✓		✓	✓	✓					—
18	368	1122		12	12.3	✓		✓	✓		✓			✓	✓					5.914
19	—	—		5	6.1	✓		✓	✓		✓									—
20	—	—		2	2.1	✓		✓	✓		✓		✓	✓	✓					—
21	—	—		2	2.1	✓		✓	✓		✓			✓	✓					—
22	369	1126		0	1.6	✓		✓	✓		✓		✓	✓	✓					5.929
23	—	—		0	2.0	✓		✓	✓		✓			✓	✓					—
24	—	—																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 612

Cast # down: 56
Cast # up: 57

Time	LOC	UTC
Begin:		1305
Bottom:		1318
End:		

START POSITION (GPS)
LAT: 48° 25.99
LONG: 126° 13.78

BOTTOM POSITION (GPS)
LAT: 48° 25.99
LONG: 126° 13.75

END POSITION (GPS)
LAT: 48°
LONG: 126° 13

Comments:

#21 DIDN'T FIRE

flasks not in correct order in box.

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LC8

UTC DATE y/m/d: 97/10/25
CAST NUMBER: 60

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	372	1128		188		✓											2.414	
2	373	1130		175		✓											2.427	
3	374	1132		150		✓											2.697	
4	375	1133		125		✓											3.199	
5	376	1134		100		✓											3.336	
6	377	1135		75		✓											2.804	
7	378	1136		50		✓											4.152	
8	379	1137		30		✓											5.573	
9	380	1138		20		✓											5.967	
10	381	1139		10		✓											5.844	
11	382	1141		6		✓											5.878	
12	383	1142		0		✓											5.884	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 200

Cast # down: 60
Cast # up: 60

Time	LOC	UTC
Begin:		1624
Bottom:		1629
End:		1638

START POSITION (GPS)
LAT: 48°29'43"
LONG: 126°07'18"

BOTTOM POSITION (GPS)
LAT: 48°29'39"
LONG: 126°07'16"

END POSITION (GPS)
LAT: 48°29'42"
LONG: 126°07'13"

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LC11

UTC DATE y/m/d: 97/10/26
CAST NUMBER: 62

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												O ₂
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO						
								OXY		CHL		C13							
1	385	1032		600		✓	✓	✓	✓										755
2	386	1036		500		✓	✓	✓	✓										902
3	387	1045		400		✓		✓	✓										1764
4	388	1052		300		✓		✓	✓										2150
5	389	1062		250		✓		✓	✓										2308
6	390	1090		200		✓		✓	✓										1988
7	391	1104		175		✓		✓	✓										1989
8	392	1103		150		✓		✓	✓										2113
9	393	1105		125		✓		✓	✓										2464
10	394	1106		100		✓		✓	✓										3085
11	395	1110		75		✓		✓	✓										4409
12	396	1113		50		✓		✓	✓	✓									
13	397	1114		30		✓		✓	✓	✓									
14	398	1119		20		✓		✓	✓	✓									5441
15	399	1122		10		✓		✓	✓	✓									6163
16	400	1126		0				✓	✓	✓									6146
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:
CHECKED BY:

Bottom Depth: 1466

Cast # down: 62
Cast # up: 62

Time	LOC	UTC
Begin:		0250
Bottom:		
End:		0317

START POSITION (GPS)
LAT: 48 18.91
LONG: 126 26.81

BOTTOM POSITION (GPS)
LAT: 48 18.91
LONG: 126 26.81

END POSITION (GPS)
LAT: 48 18.87
LONG: 126 26.87

Comments: Bottom 12 & 13 bottom end cap hung up.

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LC10UTC DATE y/m/d: 97/10/26
CAST NUMBER: 63

SHIP: _____

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	401	1145		1250		✓	✓	✓										.442
2	402	1146		1200		✓	✓	✓										.371
3	403	1148		1000		✓	✓	✓										.251
4	404	1150		800		✓	✓	✓										.273
5	405	1152		600		✓	✓	✓										.556
6	406	1153		500		✓	✓	✓										.823
7	407	1154		400		✓												1.477
8	408	1155		300		✓												2.140
9	409	1157		250		✓												2.365
10	410	1158		200		✓												2.207
11	411	1160		175		✓												2.491
12	412	1167		150		✓												2.560
13	413	1168		125		✓												3.627
14	414	1169		100		✓												5.084
15	415	1171		75		✓												6.445
16	416	1173		50		✓				✓								4.931
17	417	1174		30		✓				✓								5.848
18	418	1175		20		✓				✓								6.047
19	419	1176		10		✓				✓								
20	420	1177		0		✓		✓		✓								6.087
21																		
22																		
23																		
24																		

Comments: #11 Bottle drain spigot open

ENTERED BY: _____

CHECKED BY: _____

Bottom Depth: 1249Cast # down: 63Cast # up: 63

Time LOC UTC

Begin: 0401

Bottom: _____

End: 0446

START POSITION (GPS)

LAT: 48 22.45LONG: 126 20.32

BOTTOM POSITION (GPS)

LAT: 48 22.39LONG: 126 20.37

END POSITION (GPS)

LAT: _____

LONG: _____

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LC07

UTC DATE y/m/d: 97/10/26
CAST NUMBER: 64

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken													
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO		PH _a					
1	421	1178		125	119	✓		✓	✓											2.125
2	422	1180		100		✓		✓	✓											2.344
3	423	1182		75		✓		✓	✓											2.832
4	424	1183		50		✓		✓	✓	✓										3.613
5	425	1187		30		✓		✓	✓	✓										5.331
6	426	1188		20		✓		✓	✓	✓										5.498
7	427	1189		10		✓		✓	✓	✓					✓					5.862
8	428	1190		0		✓		✓	✓	✓					✓					6.033
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: BB.
CHECKED BY:

Bottom Depth: 129

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0621
Bottom:		
End:		0631

START POSITION (GPS)
LAT: 48 32.99
LONG: 126 0.60

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: same as
LONG: above.

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LCA

UTC DATE y/m/d: 97/10/26
CAST NUMBER: 67

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	431	1193		150	152	✓		✓									2.703	
2	432	1194		125	125	✓		✓									3.011	
3	433	1195		100	98	✓		✓									3.664	
4	434	1196		75	75	✓		✓									4.292	
5	435	1197		50	51	✓		✓									4.635	
6	436	1198		40		✓		✓									5.002	
7				40		✓												
8	437	1201		25		✓		✓									5400	
9				15		✓												
10	438	1202		15		✓		✓									5.666	
11	439	1203		10		✓		✓									5.704	
12				5		✓												
13				5		✓												
14	440	1204		0		✓		✓									5.697	
15				0		✓												
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

437
438
439
440
441
442
443
444
445

ENTERED BY:
CHECKED BY:

Bottom Depth: 167

Cast # down: 67
Cast # up: 67

Time	LOC	UTC
Begin:		1433
Bottom:		
End:		1447

START POSITION (GPS)
LAT: 48° 43.52
LONG: 125° 40.76

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48° 43.61
LONG: 125° 40.50

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: C1

UTC DATE y/m/d: 97/10/26
CAST NUMBER: 68

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	441			140	141	✓		✓									2.010	
2	442			125		✓											2.077	
3	443			100		✓											2.076	
4	444			75		✓											3.088	
5	445			50		✓											3.581	
6	446			40		✓		✓									3.689	
447	7			40		✓												
448	8	1213		25		✓		✓									3.940	
449	9			17		✓												
450	10			17		✓												
451	11	1214		8		✓		✓									5.057	
452	12	449		0		✓		✓									5.268	
453	13			0		✓												
454	14			0		✓												
455	15			0		✓												
456	16			0		✓												
	17																	
	18																	
	19																	
	20																	
	21																	
	22																	
	23																	
	24																	

ENTERED BY:
CHECKED BY:

Bottom Depth: 153

Cast # down: 68
Cast # up: 68

Time	LOC	UTC
Begin:		1709
Bottom:		
End:		1724

START POSITION (GPS)
LAT: 48° 28.96
LONG: 125° 15.27

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48° 28.87
LONG: 125° 15.13

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: L301

UTC DATE y/m/d: 97/10/27
CAST NUMBER: 73

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	458	1032		30		✓		✓										4.331
2	459	1036		20		✓		✓										4.542
3	460	1045		10		✓		✓										5.024
4	461	1052		0		✓		✓										5.454
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
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17																		
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19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 34

Cast # down: 73
Cast # up: 73

Time	LOC	UTC
Begin:		0028
Bottom:		
End:		0033

START POSITION (GPS)
LAT: 48 40.45
LONG: 124 59.55

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48 40.49
LONG: 124 59.64

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LBC2

UTC DATE y/m/d: 97/10/27
CAST NUMBER: 74

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		CI3						
1	462	1062		50		✓		✓	✓	✓								4582
2	463	1090		30		✓		✓	✓	✓								5087
3	464	1103		20		✓		✓	✓	✓								5126
4	465	1104		10		✓		✓	✓	✓								5099
5	466	1105		0				✓	✓	✓								5345
6																		
7																		
8																		
9																		
10																		
11																		
12																		
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19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: DM
CHECKED BY:

Bottom Depth: 56

Cast # down: 74
Cast # up: 74

Time	LOC	UTC
Begin:		0102
Bottom:		
End:		0109

START POSITION (GPS)
LAT: 48 39.06
LONG: 125 02.48

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48 39.08
LONG: 125 02.48

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LB04UTC DATE y/m/d: 97/10/27
CAST NUMBER: 76SHIP: #Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	467	1106		100		✓		✓									2526
2	468	1110		75		✓		✓									3138
3	469	1113		50		✓		✓									4627
4	470	1114		30		✓		✓									4824
5	471	1119		20		✓		✓									4915
6	472	1122		10		✓		✓									5005
7	473	1126		0		✓		✓									5061
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: KL
CHECKED BY:Bottom Depth: 110Cast # down: 76
Cast # up: 76

Time	LOC	UTC
Begin:		0213
Bottom:		
End:		

START POSITION (GPS)
LAT: 48° 35.68' N
LONG: 125° 08.78' W.BOTTOM POSITION (GPS)
LAT:
LONG:END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LB06

UTC DATE y/m/d: 97/10/27
CAST NUMBER: 78

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	474	1145		100		✓											2.414	
2	475	1146		75		✓											3.166	
3	476	1148		50		✓											3.793	
4	477	1150		30		✓											4.781	
5	478	1152		20		✓											5.010	
6	479	1153		10		✓											4.599	
7	480	1154		0		✓											5.488	
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 115

Cast # down: 78
Cast # up: 78

Time	LOC	UTC
Begin:		0325
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 37.14
LONG: 125 15.59

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

4" Tape
Tesa
New Rochelle

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LB08

UTC DATE y/m/d: 97/10/27
CAST NUMBER: 80

SHIP:

ENTERED BY:
CHECKED BY:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											O ₂
					Trip pressure	Confirmed Salinity	SAL	OXY	NUT	CHL	ALK	CI3	TCO	NH4				
1	481			140		✓		✓	✓									2.203
2	482			125		✓		✓	✓									1.955
3	483			100		✓		✓	✓									2.470
4	484			75		✓		✓	✓									3.393
5	485	1167		50		✓		✓	✓	✓								4.483
6	486	1168		30		✓		✓	✓	✓								4.922
7	487			20		✓		✓	✓	✓								5.579
8	488			10		✓		✓	✓	✓				✓				6.007
9	489	1173		0		✓		✓	✓	✓				✓				6.011
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Bottom Depth: 148

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0514
Bottom:		0525
End:		

START POSITION (GPS)
LAT: 48 25.28
LONG: 125 28.72

BOTTOM POSITION (GPS)
LAT: 48 25.30
LONG: 125 28.69

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LB89

UTC DATE y/m/d: 97/10/27
CAST NUMBER: 81

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	490	1193		135	41	✓		✓	✓										2089	
2	491	1194		125		✓		✓	✓										2.206	
3	492			100		✓		✓	✓										3.435	
4	493			75		✓		✓	✓										4.320	
5	494			50		✓		✓	✓	✓									3.941	
6	495			30		✓		✓	✓	✓									4.779	
7	496			20		✓		✓	✓	✓									5.462	
8	497	1202		10		✓		✓	✓	✓									5.834	
9	498			0		✓		✓	✓	✓									5.886	
10																				
11																				
12																				
13																				
14																				
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19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: BB-
CHECKED BY:

Bottom Depth: 150

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0618
Bottom:		
End:		0628

START POSITION (GPS)
LAT: 48 22.04
LONG: 125 34.76

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LB10

UTC DATE y/m/d: 97/10/27
CAST NUMBER: 82

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	499			150		✓														2.072
2	500			125		✓														2.618
3	501			100		✓														3.315
4	502			75		✓														3.922
5	503			50		✓														5.940
6	504			30		✓														5.028
7	505			20		✓														5.079
8	506			10		✓														5.743
9	507			0		✓														5.741
10																				
11																				
12																				
13																				
14																				
15																				
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17																				
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21																				
22																				
23																				
24																				

ENTERED BY: RB
CHECKED BY:

Bottom Depth: 153

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0719
Bottom:		
End:		0729

START POSITION (GPS)
LAT: 48 18.60
LONG: 125 41.24

BOTTOM POSITION (GPS)
LAT: 4
LONG:

END POSITION (GPS)
LAT: 48 18.65
LONG: 125 41.28

Comments:

ROSETTE LOG

MISSION ID:

9737

UTC DATE y/m/d:

97/10/27

STATION NAME:

LB 11

CAST NUMBER:

83

SHIP:

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

ROSETTE OPERATION

Samples taken

Trip
pressureConfirmed
Salinity

SAL

OXY

NUT

CHL

ALK

C13

TCO

ENTERED BY:

CHECKED BY:

Bottom Depth: 207

Cast # down: 83

Cast # up: 83

Time LOC UTC

Begin: 0822

Bottom:

End:

START POSITION (GPS)

LAT: 4815.16

LONG: 12547.78

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

1+2 fired @ 200m

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LB12

UTC DATE y/m/d: 97/10/27
CAST NUMBER: 84

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
✓ 1	520			505		✓		✓										0.951
✓ 2	521			500		✓		✓										0.958
✓ 3	522			400		✓		✓										1.311
✓ 4	523			300		✓		✓										2.028
✓ 5	524			250		✓		✓										2.297
✓ 6	525			200		✓		✓										2.397
✓ 7	526			175		✓		✓										2.576
✓ 8	527			150		✓		✓										3.030
✓ 9	528			125		✓		✓										3.118
✓ 10	529			100		✓		✓										3.735
✓ 11	530			75		✓		✓										4.711
✓ 12	531			50		✓		✓										6.206
✓ 13	532			30		✓		✓										6.266
✓ 14	533			20		✓		✓										6.069
✓ 15	534			10		✓		✓										6.057
✓ 16	535			0		✓		✓										6.068
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: BB.
CHECKED BY:

Bottom Depth: 513

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0911
Bottom:		
End:		0936

START POSITION (GPS)
LAT: 48 12.90
LONG: 125 51.97

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48 12.87
LONG: 125 51.93

ROSETTE LOG

MISSION ID: 9737
STATION NAME: LB14

UTC DATE y/m/d: 97/10/27
CAST NUMBER: 86

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO		NH4			
✓ 1	536			1450	1190	✓		✓	✓									0.394
✓ 2	537			1400	1000	✓												0.268
✓ 3	538			1200	800	✓												0.260
✓ 4	539			1000	600	✓												0.487
✓ 5	540			800	500	✓												0.742
✓ 6	541			600	400	✓												1.375
✓ 7	542			500	300	✓												2.257
✓ 8	543			400	250	✓												2.328
✓ 9	544			300	200	✓												2.331
✓ 10	545			250	175	✓												2.085
✓ 11	546			200	150	✓												2.096
✓ 12	547			175	125	✓												2.434
✓ 13	548			150	100	✓												3.057
✓ 14	549			125	75	✓												4.641
✓ 15	550			100	50	✓												6.197
✓ 16	551			75	30	✓												6.209
✓ 17	552			50	20	✓				✓								6.059
✓ 18	553			30	10	✓				✓								6.081
✓ 19	554			20	0	✓				✓								6.062
20	555			10						✓								
21	556			0						✓								
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 1185

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1120
Bottom:		
End:		

START POSITION (GPS)
LAT: 488.45
LONG: 1260.12

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9737
STATION NAME: GEO1

UTC DATE y/m/d: 97/10/28
CAST NUMBER: 87

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO		chl			
1	555			400	395	✓			✓						✓			
2	556			400	395	✓			✓						✓			
3	557			250		✓			✓						✓			
4	558			50		✓			✓	✓					✓			
5	559			30		✓			✓	✓					✓			
6	560			20		✓			✓	✓					✓			
7	561			15		✓			✓	✓					✓			
8	562			10		✓			✓	✓					✓			
9	563			5					✓	✓				✓	✓			
10	564			0					✓	✓			✓	✓	✓			
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: BB.
CHECKED BY:

Bottom Depth: 401

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0736
Bottom:		
End:		0755

START POSITION (GPS)
LAT: 49 15.03
LONG: 123 45.05

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 49 15.09
LONG: 123 44.89

Comments: