

Rosette Log

CRUISE ID: 9707
STATION NAME: C1UTC DATE y/m/d: 97 04 08
CAST NO.: 6SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure		
					Trip pressure	Confirmed Salinity	CHL	OXY	SAL	CI3	ALK	NUT	SAL	CHL	POC	Incl. 14C	15N	Serial #	°C / dbar
1	1	1008	6.87	10-10	143.3	339/68		✓	✓			✓							
2	2	1010	6.98	125	125.4	339.13		✓	✓			✓							
X-3	3	1020		100	100.0	33.86/1		✓	✓										
4	4	1022	8.11	75	73.7	32.87/9		✓	✓			✓							
5	5	1031	8.25	50	50.9	32.08/21		✓	✓			✓							
6	6	1032	8.42	30	29.7	31.03/6		✓	✓			✓							
7	7	1038	8.25	23	23.1	30.49/7	✓	✓	✓			✓	}	✓	✓	✓	✓		
8	8	1039	8.25	23	23.2	30.49/3		✓	✓			✓	}						
X-9	9	1039		17	17.3	30.30/9													
10	10	1045	8.39	17	17.1	30.29/83	✓	✓				✓	}	✓	✓	✓	✓		
11	11	1047	8.44	12	12.4	30.08/0	✓	✓	✓			✓	}	✓	✓	✓	✓		
12	12			12	12.5								}						
13	13			3	4.6														
14	14	1052	8.75	5	5.7	29.63/69	✓	✓	✓			✓	}	✓	✓	✓	✓		
15	15			5	5.6	29.42/84							}						
16	16	1054	9.28	3.2	3.7	29.30	✓	✓	✓			✓	}	✓	✓	✓	✓		
17	17			3	3.5								}						
18	18	1056	9.29	0	1.6	29.31/32	✓	✓	✓			✓	}	✓	✓	✓	✓		
19	19			0	1.7								}						
20																			
21																			
22																			
23																			

ENTERED BY:
CHECKED BY:Bottom Depth: 140Cast # down: 5
Cast # up: 6 ✓

Time	LOC	UTC
Begin:		<u>22 38</u>
Bottom:		<u>22:51:36</u>
End:		

START POSITION (GPS)	
LAT:	<u>42 28 09</u>
LONG:	<u>125 15.35</u>

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)	
LAT:	
LONG:	

Comments:

#3 - No Trip; #9 - No Trip; #13 Wrong Depth
high resolution surface - 30m bottles for UBC

Rosette Log

CRUISE ID: 9707
STATION NAME: LR02UTC DATE y/m/d: 97/04/09
CAST NO.: 8SHIP: TV664

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	PHYTO	Serial #	°C / dbar
✓ 1	20	1062	7.82	50	50.6	31.834		✓			✓	✓						
✓ 2	21	1065	7.86	30	30.0	31.160		✓			✓	✓	✓					
3	22	—	8.01	20	20.2	30.758		✓			✓	✓	✓		✓			
4	23	—	8.47	10	11.3	29.972		✓			✓	✓	✓		✓			
✓ 5	24	1068	9.12	0	1.9	29.362		✓			✓	✓	✓		✓			
6																		
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23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 56mCast # down: 7Cast # up: 8

Time	LOC	UTC
Begin:	1753	0053
Bottom:	1800	0100
End:	1803	0103

START POSITION (GPS)		
LAT:	48 38 97	
LONG:	125 02 290	

BOTTOM POSITION (GPS)		
LAT:	48 38.98	
LONG:	125 02.23	

END POSITION (GPS)		
LAT:	48 38 950	
LONG:	125 01 993	

Comments: NO DO2 drawn from #3 or #4

Rosette Log

CRUISE ID: 9707
STATION NAME: LR06

UTC DATE y/m/d: 97/04/09
CAST NO.: 12

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	PH	Serial #	°C / dbar
								OXY		C13		NUT		CHL				
1	25			30	29.96											✓		
2	26			14	14.96											✓		
3	27			0	1.83											✓		
4																		
5																		
6																		
7																		
8																		
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23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 97m

Cast # down: 11
Cast # up: 12

Time	LOC	UTC
Begin:		0239
Bottom:		0241
End:	1950	0250

START POSITION (GPS)
LAT: 48 32 135
LONG: 125 15 581

BOTTOM POSITION (GPS)
LAT: 48 32 071
LONG: 125 15 558

END POSITION (GPS)
LAT: 48 31 901
LONG: 125 15 515

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LB08UTC DATE y/m/d: 97/04/09 UTC
CAST NO.: 18SHIP: 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	28	1069	6.66	145	145.1	33.956	✓				✓	✓	✓				145.5	
✓ 2	29	1079	6.84	125	125.5	33.918	✓				✓	✓	✓				125.7	
✓ 3	30	1084	7.54	100	99.73	33.670	✓				✓	✓	✓				100.4	
✓ 4	31	1090	8.33	75	74.01	32.970	✓				✓	✓	✓				76.5	
✓ 5	32	1092	8.57	50	50.53	32.223	✓				✓	✓	✓				50.7	
✓ 6	33	1096	8.66	30	29.52	31.787	✓				✓	✓	✓				31.0	
✓ 7	34	1100	8.79	20	20.87	31.453	✓				✓	✓	✓		✓		20.1	
✓ 8	35	1101	8.91	10	10.4	30.885	✓				✓	✓	✓		✓		10.2	
✓ 9	36	1103		?	2.7	30.405	✓				✓	✓	✓		✓		2.2	
✓ 10																		
✓ 11	37	1104	9.03	0	2.66	30.40	✓				✓	✓	✓		✓			
12																		
13																		
14																		
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19																		
20																		
21																		
22																		
23																		

Comments:

ENTERED BY:
CHECKED BY:Bottom Depth: 135Cast # down: 17Cast # up: 18

Time	LOC	UTC
Begin:	2243	0545
Bottom:		05:51:19
End:		

START POSITION (GPS)
LAT: <u>48 25.245</u>
LONG: <u>125 28.635</u>

BOTTOM POSITION (GPS)
LAT: <u>48 25.21</u>
LONG: <u>125 28.76</u>

END POSITION (GPS)
LAT: <u>48 25.247</u>
LONG: <u>125 28.745</u>

Rosette Log

CRUISE ID: 9707
STATION NAME: LB09

UTC DATE y/m/d: 97/04/09
CAST NO.: 20

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip	Confirmed	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
					pressure	Salinity		OXY		C13		NUT		CHL	Ph			
✓ 1	38	1105	6.66	145	143.4	33.96	✓					✓						
✓ 2	39	1106	6.69	125	126.1	33.958	✓					✓	✓					
✓ 3	40	1108	7.59	100	101.4	33.715	✓					✓	✓					
✓ 4	41	1110	8.33	75	76.8	33.046	✓					✓	✓					
✓ 5	42	1113	8.49	50	51.8	32.533	✓					✓	✓		✓			
✓ 6	43	1114	8.65	30	27.7	32.013	✓					✓	✓	✓				
✓ 7	44	1119	8.64	20	20.6	31.786	✓					✓	✓	✓		✓		
✓ 8	45	1120	8.84	10	10.2	30.812	✓					✓	✓	✓				
✓ 9	46	1122	9.44	0	3.4	30.478	✓					✓	✓	✓		✓		
10																		
11																		
12																		
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ENTERED BY:
CHECKED BY:

Bottom Depth: 153

Cast # down: 19
Cast # up: 20

Time LOC UTC
Begin:
Bottom: 07:10 07:10:31
End: 07:18

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 48 22-09
LONG: 125 34.71

END POSITION (GPS)
LAT: 48 22.120
LONG: 125 34.588

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LB11

UTC DATE y/m/d: 97/04/09
CAST NO.: 24

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	47	1126	6.95	200	199.1	33.936		✓					✓					
✓ 2	48	1128	7.11	175	175.1	33.917		✓					✓	✓				
✓ 3	49	1130	7.44	150	149.5	33.871		✓					✓	✓				
✓ 4	50	1132	7.57	125	122.4	33.783		✓					✓	✓				
✓ 5	51	1133	8.07	100	101.1	33.623		✓					✓	✓				
✓ 6	52	1134	8.40	75	73.8	33.093		✓					✓	✓				
✓ 7	53	1135	8.81	50	50.3	32.408		✓					✓	✓		✓		
✓ 8	54	1136	9.09	30	30.7	32.358		✓					✓	✓	✓			
✓ 9	55	1137	9.30	20	20.5	32.292		✓					✓	✓	✓	✓		
✓ 10	56	1138	9.11	10	10.3	30.902		✓					✓	✓	✓			
✓ 11	57	1139	9.11	0	4.6	30.595		✓					✓	✓	✓	✓		
12																		
13																		
14																		
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17																		
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19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 219

Cast # down: 23
Cast # up: 24

Time	LOC	UTC
Begin:		0924
Bottom:		09:33:51
End:		0945

START POSITION (GPS)
LAT: 48 15.008
LONG: 125 47.814

BOTTOM POSITION (GPS)
LAT: 48 14.93
LONG: 125 47.85

END POSITION (GPS)
LAT: 48 14.898
LONG: 125 47.817

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LB12UTC DATE y/m/d: 97/04/09
CAST NO.: 26SHIP: 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
								OXY		C13		NUT		CHL		PH		
1	58	1140	5.29	440	443.4	34.099		✓					✓					
2	59	1141	5.55	400	398.8	34.070		✓				✓	✓					
3	60	1142	6.02	300	299.3	34.023		✓				✓	✓					
4	61	1143	6.29	250	246.3	34.002		✓					✓					
5	62	1144	6.61	200	199.5	33.974		✓				✓	✓					
6	63	1145	7.01	175	175.8	33.926		✓					✓					
7	64	1146	7.31	150	149.3	33.885		✓					✓					
8	65	1151	7.74	125	124.9	33.779		✓					✓					
9	66	1150*	8.08	100	101.7	33.588		✓				✓	✓					
10	67	1148*	8.61	75	73.6	32.573		✓				✓	✓					
11	68	1152	8.73	50	47.7	32.426		✓				✓	✓		✓			
12	69	1153	8.92	30	28.0	32.372		✓				✓	✓	✓				
13	70	1154	9.25	20	20.7	32.347		✓				✓	✓	✓	✓			
14	71	1155	9.37	10	8.4	31.492		✓				✓	✓	✓				
15	72	1157	9.13	0	3.0	30.831		✓				✓	✓	✓	✓			
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:Bottom Depth: 512 mCast # down: 25
Cast # up: 26Time LOC UTC
Begin: 0359 1059
Bottom: 0452 1154
End: 0516 1216START POSITION (GPS)
LAT: 48 13 378
LONG: 125 51 714BOTTOM POSITION (GPS)
LAT: 48 13 741
LONG: 125 52 972END POSITION (GPS)
LAT: 48 14 142
LONG: 125 53 541

Comments: * labels on flasks indicate these were taken from these depths noted - out of consecutive flask order

Rosette Log

 CRUISE ID: 9707
 STATION NAME: LB14

 UTC DATE y/m/d: 97/04/09
 CAST NO.: 28
SHIP: TRILLI

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	73	1158	4.02	850	849.2	34.326		✓				✓	✓					
✓ 2	74	1160	4.07	800	798.5	34.309		✓					✓					
✓ 3	75	1163	4.08	800	800.0	34.307		✓					✓					
✓ 4	76	1164	4.4	700	699.8	34.248		✓				✓	✓					
✓ 5	77	1165	4.68	600	599.3	34.190		✓					✓					
✓ 6	78	1167	5.05	500	500.3	34.127		✓				✓	✓					
✓ 7	79	1168	5.39	400	400.2	34.050		✓				✓	✓					
✓ 8	80	1169	5.77	300	299.8	33.958		✓				✓	✓					
✓ 9	81	1171	6.46	250	248.6	33.966		✓					✓					
✓ 10	82	1173	7.1	200	201.6	33.938		✓				✓	✓					
✓ 11	83	1174	7.35	175	176.4	33.918		✓					✓					
✓ 12	84	1175	7.4	150	150.2	33.885		✓					✓					
✓ 13	85	1177	7.63	125	124.9	33.706		✓					✓					
✓ 14	86	1178	7.90	100	100.9	33.515		✓				✓	✓					
✓ 15	87	1180	8.45	75	75.4	32.615		✓				✓	✓					
✓ 16	88	1181	8.53	50	49.2	32.412		✓				✓	✓					
✓ 17	89	1182	8.97	30	29.3	32.401		✓				✓	✓	✓		✓		
✓ 18	90	1183	9.12	20	20.1	32.398		✓				✓	✓	✓		✓		
✓ 19	91	1184	9.16	10	10.1	32.398		✓				✓	✓	✓		✓		
✓ 20	92	1185	9.17	0	1.5	32.353		✓				✓	✓	✓		✓		
21																		
22																		
23																		

 ENTERED BY:
 CHECKED BY:
Bottom Depth: 960Cast # down: 27Cast # up: 28

Time	LOC	UTC
Begin:	0714	1414
Bottom:		14:41:21
End:	0808	1508

 START POSITION (GPS)
 LAT: 48 08 325
 LONG: 125 59 930

 BOTTOM POSITION (GPS)
 LAT: 48 08.50
 LONG: 126 00.03

 END POSITION (GPS)
 LAT: 48 08.567
 LONG: 125 59.654

 Comments: Sample # 84 DO₂ had air in it.

Rosette Log

CRUISE ID:

9707

UTC DATE y/m/d:

97/4/9

SHIP:

TULLY

STATION NAME:

LB16

CAST NO.:

32

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	93	1192	3.54	1000	1002.0	34.38		✓				✓	✓					
✓✓2	94	1193	3.72	800	898.8	34.34		✓					✓					
✓✓3	95	1194	4.09	800	799.4	34.29		✓					✓					
✓✓4	96	1195	4.32	700	695.5	34.25		✓				✓	✓					
✓✓5	97	1196	4.61	600	603.1	34.18		✓					✓					
✓✓6	98	1197	4.81	500	501.8	34.10		✓				✓	✓					
✓✓7	99	1198	5.28	400	403.6	34.04		✓					✓					
✓✓8	100	1200	6.00	300	299.0	33.98		✓				✓	✓					
✓✓9	101	1201	6.34	250	249.2	33.95		✓					✓					
✓✓10	102	1202	6.77	200	200.4	33.92		✓					✓					
✓✓11	103	1203	7.01	175	175.4	33.90		✓					✓					
✓✓12	104	1204	7.31	150	148.8	33.84		✓				✓	✓					
✓✓13	105	1206	7.73	125	124.6	33.70		✓					✓					
✓✓14	106	1208	8.07	100	100.9	33.51		✓				✓	✓					
✓✓15	107	1209	8.41	60	59.5	32.48		✓					✓					
✓✓16	108	1210	8.71	35	35.4	32.37		✓					✓					
✓✓17	109	1211	8.42	60	60.1	32.49		✓					✓					
✓✓18	110	1212	8.70	10	9.4	32.37		✓					✓					
✓✓19	111	1213	8.71	10	8.9	32.36		✓					✓					
✓✓20	112	1214	8.71	0	2.2	32.35		✓					✓					
21	113			0	2.6													
22																		
23																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 1530 m

Cast # down: 31

Cast # up: 32

Time LOC UTC

Begin: 1755

Bottom: 18:18:26

End:

START POSITION (GPS)

LAT: 48 00 458

LONG: 126 17 182

BOTTOM POSITION (GPS)

LAT: 48 00.50

LONG: 126 17.50

END POSITION (GPS)

LAT:

LONG:

Rosette Log

CRUISE ID: 9707
STATION NAME: BARKCAN

UTC DATE y/m/d: 97/04/09
CAST NO.: 36

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	113			700	696.08	697.3						✓		✓				
2	114			"	694	695.3												
3	115			"	695.54	695.2												
4	116			"	695.523	695.5									✓	✓		
5	117			"	696.03	696.0												
6	118			"	695.166	695.1												
7	119			"	697.235	697.9												
8	120			400	460	399.9					✓		✓					
9	121			"	399	399.0												
10	122			"	399	397.8												
11	123			"	399	399.5									✓	✓		
12	124			"	399	399.4												
13	125			"	399	399.3												
14	126			"	399	399.7												
15	127			200	198	198.3					✓		✓					
16	128			"	197	197.5												
17	129			"	198	197.7									✓	✓		
18	130			"	197	197.8												
19	131			"	198	198.5												
20	132			50	50	49.8					✓		✓		✓	✓		
21	133			"	50	51.2												
22	134			5	5	5.8									✓	✓		
23	135			"	6	6.8					✓				✓	✓		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 35
Cast # up: 36

Time LOC UTC
Begin:
Bottom: 23:28:42
End: 23:42:50

START POSITION (GPS)
LAT: 48 20.65
LONG: 126.00.95

BOTTOM POSITION (GPS)
LAT: 48 20.65
LONG: 126.00.96

END POSITION (GPS)
LAT: 48 20.67
LONG: 126 00 24

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: 502

UTC DATE y/m/d: 97/4/10
CAST NO.: 42

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	136	1105	8.6	40	40	31.91		✓					✓					
✓ 2	137	1106	8.5	30	31	31.26		✓					✓	✓	✓			
✓ 3	138	1109	8.5	20	20	30.75		✓					✓	✓	✓			
✓ 4	139	1110	9.1	10	10	29.94		✓					✓	✓	✓			
✓ 5	140	1113	9.3	0	2	29.66		✓					✓	✓	✓	✓		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 45

Cast # down: 41
Cast # up: 42

Time	LOC	UTC
Begin:		0630
Bottom:		06:32:54
End:		0636

START POSITION (GPS)
LAT: 48 58.387
LONG: 125 47.119

BOTTOM POSITION (GPS)
LAT: 48 58.39
LONG: 125 47.23

END POSITION (GPS)
LAT: 48 58.395
LONG: 125 47.233

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LD4

UTC DATE y/m/d: 97/4/10
CAST NO.: 44

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	Phy	Serial #	°C / dbar
✓1	141	1114	8.6	55	56.0	32.38		✓				✓	✓					
✓2	142	1119	8.6	50	50.5	32.38		✓				✓	✓					
✓3	143	1120	8.4	30	28.9	32.04		✓				✓	✓	✓				
✓4	144	1122	8.3	20	20.9	31.83		✓				✓	✓	✓				
✓5	145	1126	8.5	10	11.0	30.8		✓				✓	✓	✓				
✓6	146	1128	9.1	0	2.7	29.5		✓				✓	✓	✓	✓			
7																		
8																		
9																		
10																		
11																		
12																		
13																		
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16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 65

Cast # down: 43
Cast # up: 44

Time	LOC	UTC
Begin:		0756
Bottom:		0801
End:		0810

START POSITION (GPS)
LAT: 48 53.095
LONG: 125 57.176

BOTTOM POSITION (GPS)
LAT: 48 53.08
LONG: 125 57.21

END POSITION (GPS)
LAT: 48 53 080
LONG: 125 57.210

Comments: Note - downcast is 07070043. * - remaining not trivial.

147

Rosette Log

CRUISE ID: 9707
STATION NAME: LBP 2UTC DATE y/m/d: 97 04 10
CAST NO.: 46SHIP: 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	147	1132	7.6	90	89.7	33.704	✓				✓	✓						
✓2	148	1133	7.8	75	79.2	33.410	✓					✓						
✓3	149	1134	8.1	50	51.0	32.760	✓					✓						
✓4	150	1135	8.4	30	30.9	32.129	✓					✓	✓					
—5	151		8.4	30	31.2	32.135						✓				✓		
✓6	152	1136	8.4	20	20.0	31.644	✓					✓	✓					
✓7	153	1137	8.4	12	11.4	30.959	✓					✓	✓					
8	154		8.5	12	11.4	30.974						✓	✓					
✓9	155	1138	8.9	5	5.4	29.476	✓					✓	✓			✓		
✓10	156	1139	9.0	0	1.7	29.375	✓					✓	✓			✓		
11	157		9.0	0	2.1	29.372							✓					
12	158		9.0	0	2.4	29.368							✓					
13	159		9.0	0	2.2	29.368							✓					
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:Bottom Depth: 99Cast # down: 45Cast # up: 46

Time	LOC	UTC
Begin:		<u>1839</u>
Bottom:		<u>1902</u>
End:		<u>1912</u>

START POSITION (GPS)		
LAT:	<u>50 04</u>	<u>08</u>
LONG:	<u>127 54</u>	<u>41</u>

BOTTOM POSITION (GPS)		
LAT:	<u>50 04.26</u>	
LONG:	<u>127 54.43</u>	

END POSITION (GPS)		
LAT:	<u>50 04 39</u>	
LONG:	<u>127 54 42</u>	

Comments:

3, 5, 7 may have leaked thru spigot when brought to surf. - drip drip

Rosette Log

CRUISE ID:

9707

UTC DATE y/m/d:

97 4 10

SHIP:

Tully

STATION NAME:

LBP 3

CAST NO.:

48

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	160	1192	7.18	125	125.5	33.87		✓				✓	✓					
2	161	1193	7.19	125	126.2	33.87		✓				✓	✓					
3	162	1194	7.57	100	100.5	33.78		✓				✓	✓					
4	163	1195	7.58	75	75.2	33.63		✓				✓	✓					
5	164	1196	7.9	50	50.7	33.07		✓				✓	✓					
6	165	1197	8.3	30	30.2	32.18		✓				✓	✓	✓		✓		
7	166	1198	8.48	15	15.5	31.65		✓				✓	✓	✓		✓		
8	167	1200	8.48	10	11.1	31.36		✓				✓	✓	✓		✓		
9	168	1201	8.82	0	2.2	30.11		✓				✓	✓	✓		✓		
10																		
11																		
12																		
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18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

139

Cast # down:

47

Cast # up:

48

Time

LOC

UTC

Begin:

2102

Bottom:

2111

End:

1419

2119

START POSITION (GPS)

LAT:

50 03 72

LONG:

127 55 80

BOTTOM POSITION (GPS)

LAT:

50 03.71

LONG:

127 56.00

END POSITION (GPS)

LAT:

50 03 75

LONG:

127 56 24

Comments:

#7 did not close - 15m

Rosette Log

CRUISE ID: 9707
STATION NAME: LBP 3

UTC DATE y/m/d: 97 4 10
CAST NO.: 50

SHIP: Tolly

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 #	°C / dbar
1	169	1178	8.5	15	15.0	31.616												
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 139

Cast # down: 49
Cast # up: 50

Time	LOC	UTC
Begin:		2151
Bottom:		2154
End:		2157

START POSITION (GPS)
LAT: 50 03 90
LONG: 127 56 62

BOTTOM POSITION (GPS)
LAT: 50 03 88
LONG: 127 56 65

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID:

9707

UTC DATE y/m/d:

97/4/10

SHIP:

Tully

STATION NAME:

LBPS

CAST NO.:

52

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	170	1202	3.52	1000	998.8	34.35		✓			✓	✓						
2	171	1203	4.08	800	800.0	34.26		✓			✓	✓						
3	172	1204	4.59	600	599.6	34.16		✓			✓	✓						
4	173	1206	4.95	500	500.0	34.09		✓			✓	✓						
5	174	1208	5.36	400	400.2	34.04		✓			✓	✓						
6	175	1209	5.64	300	300.1	34.01		✓			✓	✓						
7	176	1210	5.88	250	249.1	33.99		✓			✓	✓						
8	177	1211	6.18	200	200.2	33.97		✓			✓	✓						
9	178	1212	6.41	175	174.6	33.95		✓			✓	✓						
10	179	1213	6.67	150	150.6	33.94		✓			✓	✓						
11	180	1214	7.08	125	125.0	33.91		✓			✓	✓						
12	181	1215	7.37	100	101.6	33.86		✓			✓	✓						
13	182	1216	7.58	75	75.4	33.78		✓			✓	✓						
14	183	1217	7.72	50	50.9	33.44		✓			✓	✓						
15	184	1218	7.96	30	30.2	32.80		✓			✓	✓	✓					
16	185	1219	8.35	20	19.7	31.63		✓			✓	✓	✓					
17	186	1220	8.63	10	9.9	30.52		✓			✓	✓	✓					
18	187	-		5	4.9										✓			
(*) 19	188	1221	9.10	0	2.5	29.69		✓			✓	✓	✓					
20																		
21	(*) Note this file 9707-188 became 97070188 already existed																	
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

1230

Cast # down:

51

Cast # up:

52

Time

LOC

UTC

Begin:

2257

Bottom:

231745

End:

2346

START POSITION (GPS)

LAT: 49 59 910

LONG: 128 0.136

BOTTOM POSITION (GPS)

LAT: 49 59.585

LONG: 127 59.89

END POSITION (GPS)

LAT: 49 59 394

LONG: 127 59.741

Comments:

Rosette Log

CRUISE ID:

9707

UTC DATE y/m/d:

97/04/11

SHIP:

TULLY

STATION NAME:

LBP 7

CAST NO.:

54

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	129	1105	3.6	1000	1001.4	34.374		✓				✓	✓					
✓2	190	1106	4.0	200	799.9	34.289		✓				✓	✓					
✓3	191	1109	4.6	600	601.2	34.180		✓					✓					
✓4	192	1110	4.9	500	499.5	34.112		✓				✓	✓					
✓5	193	1113	5.3	400	400.8	34.049		✓					✓					
✓6	194	1114	5.9	300	300.7	33.998		✓				✓	✓					
7	195	1119	6.1	250	251.0	33.967		✓				✓	✓					
✓8	196	1120	6.6	200	200.3	33.956		✓					✓					
✓9	197	1122	6.9	175	174.5	33.918		✓					✓					
✓10	198	1126	7.2	150	149.9	33.875		✓				✓	✓					
✓11	199	1128	7.5	125	125.7	33.816		✓					✓					
✓12	200	1130	7.7	100	99.5	33.679		✓				✓	✓					
✓13	201	1132	8.0	75	76.3	33.280		✓					✓					
✓14	202	1135	8.4	60	59.4	32.799		✓				✓	✓	✓	✓			
15	203	1134	8.5	60	60.1	32.794							✓					
✓16	204	1134	8.3	35	34.6	32.143		✓				✓	✓	✓	✓			
✓17	205	1135	8.7	12	12.6	30.414		✓				✓	✓	✓	✓			
18	206	1136	8.7	12	12.6	30.418							✓					
✓19	207	1136	8.8	5	5.7	30.155		✓				✓	✓	✓	✓			
✓20	208	1137	9.3	2	2.3	30.031		✓				✓	✓	✓	✓			
21	209	—	9.4	2	2.1	30.029							✓					
22	210	—	9.4	2	2.2	30.026							✓	✓	✓			
23	211	—	9.4	2	2.2	30.023							✓					

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 53

Cast # up: 54

Time LOC UTC

Begin: 0217

Bottom: 02:33:16

End: 0302

START POSITION (GPS)

LAT: 49 52.321

LONG: 128 11.282

BOTTOM POSITION (GPS)

LAT: 49 52.23

LONG: 128 11.29

END POSITION (GPS)

LAT: 49 51.985

LONG: 128 11.358

Comments:

BOTTLE 7. DID NOT TRIP.

Rosette Log

CRUISE ID:

9707

UTC DATE y/m/d:

97/4/12

SHIP:

TULLY

STATION NAME:

LG06

CAST NO.:

70

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	212	1105	3.94	6-10	883.2	34.323		✓					✓					
✓2	213	1106	4.01	800	799.3	34.299		✓					✓	✓				
✓3	214	1109	4.65	600	600.7	34.203		✓					✓					
✓4	215	1110	4.93	500	499.2	34.139		✓					✓	✓				
✓5	216	1113	5.36	400	399.9	34.085		✓					✓					
✓6	217	1114	5.69	300	302.0	34.028		✓					✓					
✓7	218	1119	6.03	250	250.3	34.005		✓					✓	✓				
✓8	219	1120	6.79	200	201.3	33.942		✓					✓					
✓9	220	1122	7.15	175	174.9	33.898		✓					✓					
✓10	221	1126	7.57	150	147.1	33.835		✓					✓					
✓11	222	1128	7.88	125	122.8	33.722		✓					✓					
✓12	223	1130	8.16	100	100.1	33.575		✓					✓	✓				
✓13	224	1132	8.40	75	75.5	33.198		✓					✓					
✓14	225	1133	8.41	60	59.8	32.730		✓					✓	✓	✓			
226	15			59 60	59.5								✓		✓	✓		
227	✓16	226	1134	8.32	34 35	34.2		✓					✓	✓	✓			
228	✓17	227	1135	8.96	10 10	10.8		✓					✓	✓	✓			
229	18			10 10	10.8								✓		✓	✓		
230	19	228		5 5	4.5								✓		✓			
231	20	229		3 3	3.4								✓		✓			
232	21			3 3	3.3								✓		✓	✓		
233	✓22	230	1136	9.07	1.7 0	2.3		✓					✓	✓	✓			
234	23			2.0 0	1.8								✓		✓	✓		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 972

Cast # down: 69

Cast # up: 70

Time LOC UTC

Begin: 0606

Bottom: 06:23:38

End:

START POSITION (GPS)

LAT: 49 03.458

LONG: 127 01.072

BOTTOM POSITION (GPS)

LAT: 49 03.58

LONG: 127 06.76

END POSITION (GPS)

LAT:

LONG:

Rosette Log

CRUISE ID: 9707
STATION NAME: L604

UTC DATE y/m/d: 97/04/12
CAST NO.: 72

SHIP: TULLY

235
236
237
238
239
240
241
242

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	230A	1137	6.95	140	140.4	33.927	✓					✓						
✓2	230B	1138	7.62	100	102.3	33.833	✓					✓						
✓3	230C	1139	8.05	75	76.2	33.411	✓					✓						
✓4	230D	1140	8.33	50	52.6	32.485	✓					✓						
✓5	230E	1141	8.39	30	30.7	32.059	✓					✓						
✓6	230F	1142	8.44	20	21.4	31.836	✓					✓						
✓7	230G	1143	9.09	10	11.7	30.501	✓					✓						
✓8	230H	1144	9.05	0	2.4	30.315	✓					✓						
9																		
10																		
11																		
12																		
13																		
14																		
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17																		
18																		
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20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 150

Cast # down: 71
Cast # up: 72

Time	LOC	UTC
Begin:		0816
Bottom:		08:22:34
End:		

START POSITION (GPS)
LAT: 49 11.361
LONG: 126 49.410

BOTTOM POSITION (GPS)
LAT: 49 11.39
LONG: 126 49.26

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9707
STATION NAME:

UTC DATE y/m/d: 97/4/12
CAST NUMBER: 78

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	243				251															
2	244				228															
3	245				200															
4	246				199															
5	247				200															
6	248				167															
7	249				148															
8	250				97															
9	251				46															
10	252				4															
11	253				4															
12	254				5															
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:		1708
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 02.38
LONG: 126 54.78

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID:

9707

UTC DATE y/m/d:

97 4 12

SHIP:

Tully

STATION NAME:

LG3

CAST NO.:

80

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				
							OXY		C13		NUT		CHL	POC	PHYD		Serial #	°C / dbar	
✓ 1	235	1184	722	110	110.9	33871		✓					✓						
✓ 2	236	1187	737	100	100.1	33829		✓					✓						
✓ 3	237	1188	814	75	74.3	33343		✓					✓						?
✓ 4	238	1189	837	50	49.2	32284		✓					✓						
✓ 5	239	1191	845	30	29.5	31958		✓					✓						
✓ 6	240	1177	852	20	20.6	31538		✓					✓			✓			
✓ 7	241	1178	883	15	15.9	30873		✓					✓	✓	✓	✓	✓		
— 8	242			15	15.7	30850							✓		✓				
✓ 9	243	1180	914	12	11.3	30428		✓					✓	✓	✓				
✓ 10	244	1181	919	10	10.6	30379		✓					✓	✓	✓	✓			
11	245			10	10.6	30376							✓		✓	✓	✓		
✓ 12	246	1182	923	5	5.0	30365		✓					✓	✓	✓				
13	247			5	5.1	30366							✓		✓				
✓ 14	248	1183	922	3	3.0	30368		✓					✓	✓	✓	✓			
15	249			3	3.0	30369							✓		✓	✓	✓		
✓ 16	250	1169	923	0	1.5	30366		✓					✓	✓	✓	✓			
17	251			0	1.8	30365							✓		✓	✓	✓		
18																			
19																			
20																			
21																			
22																			
23																			

ENTERED BY:

CHECKED BY:

Bottom Depth:

126

Cast # down:

79

Cast # up:

80

Time

LOC

UTC

Begin:

1825

Bottom:

End:

1855

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

49 15 05

LONG:

126 43 36

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LG1

UTC DATE y/m/d: 97/4/12
CAST NO.: 84

SHIP: 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 #	°C / dbar
✓1	252	1171	8.47	50	49.9	32.181		✓				✓	✓					
✓2	253	1173	8.49	30	30.9	32.022		✓				✓	✓	✓				
✓3	254	1174	8.57	20	21.0	31.520		✓				✓	✓	✓				
✓4	255	1175	8.96	10	11.1	30.616		✓				✓	✓	✓		✓		
✓5	256	1176	9.34	0	2.0	30.175		✓				✓	✓	✓		✓		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 60

Cast # down: 83
Cast # up: 84

Time LOC UTC
Begin: 2121
Bottom: 21:23:36
End:

START POSITION (GPS)
LAT: 49 20.478
LONG: 126 35.110

BOTTOM POSITION (GPS)
LAT: 49 20.50
LONG: 126 35.16

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID:

9707

UTC DATE y/m/d:

97 4 13

STATION NAME:

CC02

CAST NO.:

86

SHIP:

ENTERED BY:

CHECKED BY:

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	257	1192	8.2	100	101.7	32.798		✓				✓	✓					
✓2	258	1193	8.6	75	75.3	32.453		✓				✓	✓					
✓3	259	1194	8.6	50	52.4	31.738		✓				✓	✓					
✓4	260	1195	8.4	30	31.7	31.214		✓				✓	✓	✓				
✓5	261	1196	8.8	20	20.6	30.024		✓				✓	✓	✓				
✓6	262	1197	9.7	10	10.0	29.360		✓				✓	✓	✓				
7	263	1198	9.7	0	1.6	29.338		✓				✓	✓	✓	✓			
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

Bottom Depth: 111

Cast # down: 85

Cast # up: 86

Time LOC UTC

Begin: 0318

Bottom: 03:22:05

End: 0327

START POSITION (GPS)

LAT: 48 48.577

LONG: 125 30.568

BOTTOM POSITION (GPS)

LAT: 48 48.57

LONG: 125 30.48

END POSITION (GPS)

LAT: 48 48.561

LONG: 125 30.391

Comments:

O₂ RUM 2 260 → 263 SAYING 10DATE NORMALITY = C AS OPPOSED TO 0.010129....

N# 0.01012923

Rosette Log

CRUISE ID: 9707
STATION NAME: LC04UTC DATE y/m/d: 97/04/13
CAST NO.: 88SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO	DIC	ALK		SAL		POC	NH ₄	ph _{tot}		Serial #	°C / dbar
✓1	264	1200	8.3	150	151.9	32.800		✓				✓	✓							
✓2	265	1201	8.4	125	125.6	32.710		✓				✓	✓							
✓3	266	1202	8.5	100	102.0	32.618		✓				✓	✓							
✓4	267	1203	8.5	75	76.3	32.501		✓				✓	✓							
✓5	268	1204	8.4	50	50.7	32.211		✓				✓	✓							
✓6	269	1206	8.5	30	31.2	31.178		✓				✓	✓							
✓7	270	1208	8.4	20	20.1	30.684	✓	✓				✓	✓	✓	✓	✓				
8	271	—	8.4	20	20.1	30.228	✓					✓		✓	✓	✓	✓			
9	272	—	9.3	15	15.5	29.465						✓		✓						
✓10	273	1209	9.6	10	10.4	29.228	✓	✓				✓	✓	✓	✓	✓				
11	274	—	9.7	10	10.4	29.167	✓					✓		✓	✓	✓	✓			
12	275	—	9.7	5	5.0	29.161				✓		✓		✓			✓			
13	276	—	9.7	3	3.1	29.157	✓					✓		✓	✓	✓				
14	277	—	9.7	3	3.1	29.158	✓					✓		✓	✓	✓	✓			
✓15	278	1210	9.7	0	1.9	29.157	✓	✓				✓	✓	✓	✓	✓				
16	279	—	9.7	0	2.0	29.157	✓					✓		✓	✓	✓	✓			
17																				
18																				
19																				
20																				
21																				
22																				
23																				

ENTERED BY:

CHECKED BY:

Bottom Depth: 166Cast # down: 87Cast # up: 88

Time LOC UTC

Begin: 0528

Bottom:

End: 0549

START POSITION (GPS)

LAT: 48 43.369LONG: 125 40.950

BOTTOM POSITION (GPS)

LAT: 48 43.316LONG: 125 40.930

END POSITION (GPS)

LAT: 48 43.309LONG: 125 40.973

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LC07

UTC DATE y/m/d: 97/04/13
CAST NO.: 94

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
							OXY		C13		NUT		CHL		ANY			
✓1	280	1211	6.9	125	124.6	33.926		✓				✓	✓					
✓2	281	1212	7.8	100	101.3	33.761		✓				✓	✓					
✓3	282	1213	8.4	75	76.9	33.204		✓				✓	✓					
✓4	283	1214	8.6	50	51.4	32.380		✓				✓	✓					
✓5	284	1215	8.7	30	31.0	31.865		✓				✓	✓	✓				
✓6	285	1216	8.7	20	21.0	31.344		✓				✓	✓	✓				
✓7	286	1217	9.3	10	11.1	30.574		✓				✓	✓	✓				
✓8	287	1218	9.3	0	1.7	30.483		✓				✓	✓	✓	✓			
9																		
10																		
11																		
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17																		
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19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 132

Cast # down: 93

Cast # up: 94

Time	LOC	UTC
Begin:		0914
Bottom:		09:19:53
End:		0926

START POSITION (GPS)

LAT: 48 33.01

LONG: 126 00.45

BOTTOM POSITION (GPS)

LAT: 48 33.079

LONG: 126 0.428

END POSITION (GPS)

LAT: 48 33.121

LONG: 126 00.394

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LC08

UTC DATE y/m/d: 97/04/13
CAST NO.: 96

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
							OXY		C13		NUT		CHL					
✓1	288	1105	6.8	B-10	192.0	33.936												
✓2	289	1106	6.8	175	177.3	33.936												
✓3	290	1109	7.0	150	151.7	33.925												
✓4	291	1110	7.6	125	125.8	33.826												
✓5	292	1113	7.9	100	101.1	33.712												
✓6	293	1114	8.2	75	75.7	33.586												
✓7	294	1119	8.6	50	50.3	32.565												
✓8	295	1120	8.8	30	30.8	32.310												
✓9	296	1122	8.6	20	21.9	32.116												
✓10	297	1126	9.0	10	11.3	31.206												
11	298	1128	9.4	0	3.1	30.678												
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 95
Cast # up: 96

Time LOC UTC
Begin: 1030
Bottom: 1036.31
End: 1046

START POSITION (GPS)
LAT: 48 29.487
LONG: 126 7.066

BOTTOM POSITION (GPS)
LAT: 48 29.53
LONG: 126 07.07

END POSITION (GPS)
LAT: 48 29.570
LONG: 126 07.095

Comments:

Rosette Log

CRUISE ID:

9701

UTC DATE y/m/d:

97 04 13

SHIP:

TULLY

STATION NAME:

LC9

CAST NO.:

98

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	299	1152	4.61	625	623.6	34.204		✓			✓	✓						
2	300	1153	4.64	600	600.6	34.199		✓										
3	301	1154	4.97	500	500.4	34.145		✓										
4	302	1155	5.38	400	401.4	34.083		✓										
5	303	1157	5.74	300	300.4	33.974		✓			✓	✓						
6	304	1158	6.92	200	200.6	33.961		✓										
7	305	1160	7.31	175	174.2	33.923		✓										
8	306	1163	7.62	150	150.1	33.874		✓										
9	307	1164	7.71	125	125.5	33.802		✓										
10	308	1165	7.97	100	100.1	33.647		✓			✓							
11	309	1167	8.24	75	75.5	33.113		✓			✓							
12	310	1168	8.62	50	50.6	32.422		✓			✓							
13	311	1171	8.73	30	30.3	32.426		✓				✓						
14	312	1173	8.62	25	24.5	32.393		✓			✓		✓	✓	✓	✓		
15	313	1174	8.62	25	25.2	32.395		✓			✓		✓					
16	314	1175	8.65	20	20.7	32.390		✓			✓		✓	✓	✓	✓		
17	315	1176	9.26	10	10.1	31.354		✓			✓		✓	✓	✓	✓		
18	316	1183	9.27	10	10.0	31.380		✓			✓		✓					
19	317	1184	9.25	5	5.2	31.317		✓			✓		✓	✓	✓	✓		
20	318	1187	9.24	2	2.9	31.282		✓			✓		✓					
21	319	1188	9.24	2	2.8	31.281		✓			✓		✓	✓	✓	✓		
22	320	1189	9.24	0	2.1	31.280		✓			✓		✓	✓	✓	✓		
23	321	1191	9.24	0	1.9	31.281					✓							

ENTERED BY:

CHECKED BY:

Bottom Depth:

659

Cast # down:

97

Cast # up:

98

Time

LOC

UTC

Begin:

1450

Bottom:

1526:52

End:

START POSITION (GPS)

LAT: 48 25 71

LONG: 126 13 65

BOTTOM POSITION (GPS)

LAT: 48 25.63

LONG: 126 13.96

END POSITION (GPS)

LAT:

LONG:

Comments: Normality for 0-25m wrong value entered by accident.

Rosette Log

CRUISE ID:

9707

UTC DATE y/m/d:

97 4 13

SHIP:

Tully

STATION NAME:

LC11

CAST NO.:

100

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	322	1192	3.5	1000	1005.0	34.405		✓				✓	✓					
✓2	323	1193	3.7	900	899.9	34.351		✓										
✓3	324	1194	3.9	800	800.4	34.313		✓				✓						
✓4	325	1195	4.2	700	700.1	34.263		✓					✓					
✓5	326	1196	4.7	600	600.7	34.185		✓				✓						
✓6	327	1197	5.1	500	499.9	34.121		✓										
✓7	328	1198	5.4	400	401.2	34.058		✓				✓						
✓8	329	1200	5.9	300	300.0	33.989		✓										
✓9	330	1201	6.2	250	250.8	33.962		✓										
✓10	331	1202	No Sample	200	200.9	33.926		✓				✓						
✓11	332	1203	7.0	175	175.1	33.912		✓										
✓12	333	1204	7.2	150	150.1	33.877		✓										
✓13	334	1206	7.5	125	124.8	33.765		✓										
✓14	335	1208	8.0	100	100.0	33.321		✓				✓						
✓15	336	1209	8.2	75	74.8	32.599		✓										
✓16	337	1210	8.4	50	50.0	32.394		✓				✓						
✓17	338	1211	8.7	30	27.8	32.356		✓				✓	✓	✓				
✓18	339	1212	8.7	20	18.7	32.356		✓				✓		✓				
✓19	340	1213	8.8	10	9.0	32.353		✓									No TRIP	
✓20	341	1214	8.8	0	2.4	32.353		✓				✓		✓				
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

1455

Cast # down:

99

Cast # up:

100

Time

LOC

UTC

Begin:

1806

Bottom:

18:27:28

End:

1853

START POSITION (GPS)

LAT: 48 18 93

LONG: 126 26 60

BOTTOM POSITION (GPS)

LAT: 48 18.86

LONG: 126 26.42

END POSITION (GPS)

LAT: 48 18 86

LONG: 124 26 29

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LC12

UTC DATE y/m/d: 97/4/13
CAST NO.: 101/102

SHIP: 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	SI	Serial #	°C / dbar
1				5												✓		
2				5												✓		
3				5												✓		
4				5												✓		
5				5												✓		
6				5												✓		
7				5												✓		
8																		
9																		
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22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: ~2000

Cast # down: 101
Cast # up: 102

Time LOC UTC
Begin:
Bottom:
End:

START POSITION (GPS)
LAT: 48 14.955
LONG: 126 39.977

BOTTOM POSITION (GPS)
LAT: 48 14.997
LONG: 126 39.982

END POSITION (GPS)
LAT: 48 14.999
LONG: 126 40.152

Comments:

Rosette Log

CRUISE ID: 9207
STATION NAME: L209UTC DATE y/m/d: 97/04/14
CAST NO.: 106SHIP: FV224

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			
							OXY		C13		NUT		CHL					
1	342	1105	3.72	1000	984.5	34.37		✓					✓	✓				
2	343	1106	4.17	800	800.6	34.29		✓					✓	✓				
3	344	1109	4.57	600	600.2	34.21		✓					✓	✓				
4	345	1110	4.91	500	501.6	34.14		✓					✓	✓				
5	346	1113	5.32	400	401.6	34.09		✓										
6	347	1114	5.86	300	300.1	33.999		✓										
7	348	1119	6.13	260	251.8	33.95		✓					✓					
8	349	1120	6.81	200	199.6	33.95		✓										
9	350	1122	7.38	180	150.4	33.88		✓					✓					
10	351	1126	7.59	125	125.4	33.84		✓										
11	352	1128	7.95	100	102.3	33.71		✓					✓					
12	353	1130	8.07	75	75.4	33.36		✓										
13	354	1132	8.44	50	50.3	32.52		✓					✓		✓			
14	355	1133	8.6	30	29.6	32.4		✓					✓		✓			
15	356	1134	8.53	20	19.6	32.37		✓					✓		✓			
16	357	1135	8.6	10	10.3	32.31		✓					✓		✓			
17	358	1136		0				✓					✓		✓			
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY: JTB
CHECKED BY:Bottom Depth: 1100Cast # down: 105Cast # up: 106

Time	LOC	UTC
Begin:		<u>01:05</u>
Bottom:		<u>01:29:54</u>
End:		<u>01:58</u>

START POSITION (GPS)	
LAT:	<u>48 35.621</u>
LONG:	<u>126 29.702</u>

BOTTOM POSITION (GPS)	
LAT:	<u>48 35.34</u>
LONG:	<u>126 29.93</u>

END POSITION (GPS)	
LAT:	<u>48 34.935</u>
LONG:	<u>126 30.485</u>

Comments:

0 m NOT SAMPLED - TOO DEEP

Rosette Log

CRUISE ID:

9707

UTC DATE y/m/d:

97 04 14

SHIP:

Tully

STATION NAME:

LD7

CAST NO.:

110

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	358	1192	519	850	452.5	3409		✓										
✓2	359	1193	541	400	400.9	3407		✓				✓	✓					
✓3	360	1194	582	300	299.5	3402		✓				✓	✓					
✓4	361	1195	607	250	249.0	34		✓										
✓5	362	1196	645	200	200.2	3397		✓				✓						
✓6	363	1197	682	175	175.1	3393		✓				✓	✓					
✓7	364	1198	704	150	149.4	3392		✓				✓	✓					
✓8	365	1201	742	125	125.1	3387		✓				✓						
✓9	366	1202	78	100	100.1	3377		✓				✓						
✓10	367	1203	857	75	76.8	3325		✓				✓		✓				
✓11	368	1204	849	50	49.6	3250		✓				✓		✓				
✓12	369	1206	854	30	30.2	3234		✓				✓	✓	✓				
✓13	370	1208	860	20	21.0	3231		✓				✓		✓				
✓14	371	1209	916	10	11.0	3102		✓				✓		✓		✓		
✓15	372	1210	923	0	3.3	3076		✓										
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 109

Cast # up: 110

Time LOC UTC

Begin: 0418

Bottom: 0427

End: 0440

START POSITION (GPS)

LAT: 48 42.677

LONG: 126 16.876

BOTTOM POSITION (GPS)

LAT: 48 42.578

LONG: 126 16.904

END POSITION (GPS)

LAT: 48 42.446

LONG: 126 17.066

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: L501

UTC DATE y/m/d: 97 04 17
CAST NO.: 120

SHIP: Tolly

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	373	1008	8.7	50	50.8	✓	31.5208	✓										6.087
2	374	1010	9.1	30	30.9	✓	30.4376	✓										6.839
3	375	1020	9.3	20	21.1	✓	30.1635	✓										7.079
4	376	1028	9.3	10	10.5	✓	30.1191	✓										7.179
5	377	1031	9.3	0	2.2	✓	30.1186	✓										7.184
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 62.

Cast # down: 119
Cast # up: 120

Time LOC UTC
Begin:
Bottom: 0301
End:

START POSITION (GPS)
LAT: 49
LONG: 127

BOTTOM POSITION (GPS)
LAT: 49 44.30
LONG: 127 02.50

END POSITION (GPS)
LAT: 49
LONG: 127

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LJ02UTC DATE y/m/d: 97.04.17
CAST NO.: 122SHIP: 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	378	1036	8.4	75	77.0	✓ 32.3298												5.574
2	379	1039	8.5	50	60.6	✓ 32.0919												5.932
3	380	1045	9.1	30	28.6	✓ 30.4630												6.862
4	381	1047	9.1	20	19.5	✓ 30.4011												6.878
5	382	1052	9.2	10	10.2	✓ 30.2294												6.982
6	383	1054	9.2	0	2.5	30.1957												7.019
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:Bottom Depth: 84.Cast # down: 121Cast # up: 122Time LOC UTC
Begin:
Bottom: 0334
End:START POSITION (GPS)
LAT:
LONG:BOTTOM POSITION (GPS)
LAT: 49 42.55
LONG: 127 05.50END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LJO4

UTC DATE y/m/d: 97 04 17
CAST NO.: 126

SHIP: 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 #	
1	384	1056	6.7	160	162.2	✓ 33.9336											02	2.068
2	385	1062	6.9	124	123.3	✓ 33.9088												2.153
3	386	1065	7.3	100	99.5	✓ 33.7798												2.454
4	387	1067	8.2	75	72.8	✓ 33.1615												3.527
5	388	1068	8.3	50	49.5	✓ 32.3507												5.852
6	389	1079	8.6	30	29.7	✓ 31.7640												6.576
7	390	1084	8.7	20	20.2	✓ 31.4762												6.769
8	391	1090	9.0	10	10.4	✓ 31.1987												7.142
9	392	1092	9.0	3	4.5	✓ 31.1819												7.239
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 164

Cast # down: 125

Cast # up: 126

Time LOC UTC
Begin:
Bottom: 0637
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 49 35.48
LONG: 127 16.85

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: W06UTC DATE y/m/d: 97/4/17
CAST NO.: 130SHIP: 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	393	1105	3.5	1000	1000.4	34.3215		✓										285
2	394	1106	4.1	800	801.8	34.2708		✓										276
3	395	1109	4.7	600	600.3	34.1537		✓										554
4	396	1110	5.1	500	500.1	34.0962		✓										834
5	397	1113	5.4	400	402.0	34.0594		✓										1115
6	398	1114	5.9	300	300.3	34.0113		✓										1547
7	399	1119	6.2	250	247.5	33.9897		✓										1819
8	400	1122	6.6	200	199.0	33.9627		✓										2044
9	401	1126	7.0	175	174.7	33.9299		✓										2311
10	402	1128	7.5	150	148.6	33.8610		✓										2466
11	403	1130	7.8	125	124.4	33.7791		✓										2576
12	404	1132	8.2	100	100.2	33.5469		✓										3027
13	405	1133	8.7	75	73.0	32.9010		✓										4931
14	406	1134	8.3	50	48.7	32.3084		✓										6539
15	407	1135	8.8	30	29.3	31.9157		✓										6912
16	408	1136	8.9	20	19.2	31.8840		✓										6905
17	409	1137	8.8	10	9.1	31.8482		✓										6935
18	410	1138	8.8	0	0.9	31.8398		✓										6960
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:Bottom Depth: 1040Cast # down: 129Cast # up: 130

Time	LOC	UTC
Begin:		<u>1019</u>
Bottom:		<u>1039</u>
End:		

START POSITION (GPS)
LAT: <u>49 27.873</u>
LONG: <u>127 28.518</u>

BOTTOM POSITION (GPS)
LAT: <u>49 27.91</u>
LONG: <u>127 28 59</u>

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID:

9707

UTC DATE y/m/d:

97/4/18

STATION NAME:

LD 10

CAST NO.:

134

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 #	02 °C / dbar
1	411		25	1460	1482.0	✓ 34.5191		✓					✓					1714
2	412		3.1	1200	1201.1	✓ 34.4453		✓					✓					395
3	413		3.6	1000	1003.0	✓ 34.3834												275
4	414		4.1	800	798.3	✓ 34.3121												241
5	415		4.7	600	600.2	✓ 34.1905												672
6	416		5.1	500	500.5	✓ 34.1224												668
7	417		5.4	400	400.3	✓ 34.0600												1033
8	418		6.0	300	299.6	✓ 33.9868												1709
9	419		6.3	250	248.7	✓ 33.9555												2105
10	420		6.7	200	198.3	✓ 33.9321												2383
11	421		6.9	175	173.7	✓ 33.9179												2469
12	422		7.2	150	148.7	✓ 33.8795												2618
13	423		7.4	125	123.2	✓ 33.7898												2810
14	424		7.7	100	98.2	✓ 33.6366												3090
15	425		8.1	75	74.9	✓ 33.0180												4515
16	426		8.5	50	48.9	✓ 32.3983												6778
17	427		8.6	30	28.3	✓ 32.3705												6878
18	428		8.9	20	18.6	✓ 32.2324												6960
19	429		9.3	10	8.1	✓ 31.6252												7230
20	430		9.8	0	17	✓ 31.5799		✓					✓					7188
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 1480

Cast # down: 133

Cast # up: 134

Time LOC UTC

Begin:

Bottom: 0201

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 4832.28

LONG: 12635.63

END POSITION (GPS)

LAT:

LONG:

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: L008UTC DATE y/m/d: 97/04/18
CAST NO.: 138SHIP: 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 #	°C/dbar
1	431		4.0	760	761.1	✓34.3074												266
2	432		4.7	600	598.1	✓34.1888												503
3	433		5.0	500	498.4	✓34.1337												631
4	434		5.4	400	397.7	✓34.0782												986
5	435		6.1	300	297.6	✓33.9893												1821
6	436		6.4	250	249.4	✓33.9729												2025
7	437		6.8	200	198.7	✓33.9477												2238
8	438		7.2	175	170.5	✓33.9104												2470
9	439		7.5	150	148.5	✓33.8687												2438
10	440		7.6	125	124.9	✓33.8291												2517
11	441		8.0	100	96.5	✓33.6976												2807
12	442		8.4	75	75.1	✓33.3867												
13	443		8.6	50	48.4	✓32.5836												
14	444		8.6	30	29.5	✓32.1259												
15	445		9.0	20	19.8	✓31.7004												
16	446		9.1	10	10.6	✓31.6089												6968
17	447		9.6	0	1.7	✓31.0399												7086
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:Bottom Depth: 772Cast # down: 137Cast # up: 138

Time	LOC	UTC
Begin:		0438
Bottom:		0451
End:		

START POSITION (GPS)
LAT: <u>48 39.21</u>
LONG: <u>126 23.38</u>

BOTTOM POSITION (GPS)
LAT: <u>48 39.14</u>
LONG: <u>126 23.21</u>

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: L006UTC DATE y/m/d: 97/04/18
CAST NO.: 143SHIP: 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	448	1138	6.9	130	130.7	33.9141		✓										1.952
2	449	1139	7.8	100	100.0	33.6786		✓										2.713
3	450	1140	8.2	75	75.5	33.3857		✓										3.528
4	451	1141	8.5	50	50.8	32.7457		✓										4.982
5	452	1142	8.7	30	30.3	32.0869		✓										6.675
6	453	1143	9.1	20	19.6	31.5276		✓										7.073
7	454	1144	9.3	10	10.4	31.1179		✓										7.061
8	455	1145	9.4	0	2.6	30.8280		✓										7.005
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:Bottom Depth: 140Cast # down: 142Cast # up: 143

Time	LOC	UTC
Begin:		0704
Bottom:		0710
End:		

START POSITION (GPS)
LAT: <u>48 46.171</u>
LONG: <u>126 10.255</u>

BOTTOM POSITION (GPS)
LAT: <u>48 46.170</u>
LONG: <u>126 10.283</u>

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LD04

UTC DATE y/m/d: 9/4/18
CAST NO.: 147

SHIP: 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 #	O ₂ °C/dbar
1	456	1152	8.4	50	52.1	32.0848		✓										5.301
2	457	1153	8.3	30	31.1	31.3982		✓										5.663
3	458	1154	9.0	20	21.4	30.7819		✓										6.716
4	459	1155	9.3	10	11.1	30.7157		✓										7.106
5	460	1157	9.4	0	3.5	30.2990		✓										6.901
6																		
7																		
8																		
9																		
10																		
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22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 62

Cast # down: 146

Cast # up: 147

Time	LOC	UTC
Begin:		0931
Bottom:		0932
End:		0936

START POSITION (GPS)
LAT: 48 53.259
LONG: 125 57.041

BOTTOM POSITION (GPS)
LAT: 48 53.276
LONG: 125 56.967

END POSITION (GPS)
LAT: 48 53.290
LONG: 125 56.902

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LD02

UTC DATE y/m/d: 97/4/18
CAST NO.: 151

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	461	1158	8.5	40	39.3	31.7013		✓										5.815
2	462	1160	8.6	30	30.4	31.1847		✓										5.984
3	463	1163	9.1	20	20.9	30.0848		✓										6.760
4	464	1164	9.5	10	9.9	29.3877		✓										7.053
5	465	1165	9.6	0	2.8	29.3852		✓										7.075
6																		
7																		
8																		
9																		
10																		
11																		
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13																		
14																		
15																		
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19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 44

Cast # down: 150
Cast # up: 151

Time	LOC	UTC
Begin:		1054
Bottom:		1057
End:		1100

START POSITION (GPS)
LAT: 48 58.346
LONG: 125 46.974

BOTTOM POSITION (GPS)
LAT: 48 58.262
LONG: 125 46.885

END POSITION (GPS)
LAT: 48 58.222
LONG: 125 46.870

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: L001

UTC DATE y/m/d: 9/4/18
CAST NO.: 153

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	466	1167	8.4	30	30.1	✓ 31.1749		✓										5.717
2	467	1168	8.6	20	21.4	✓ 30.9923		✓										6.038
3	468	1171	9.2	10	10.2	✓ 29.9826		✓										6.808
4	469	1173	9.7	0	1.8	✓ 29.4418		✓										7.105
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 37

Cast # down: 152

Cast # up: 153

Time	LOC	UTC
Begin:		1137
Bottom:		1138
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 49 00.03
LONG: 12543.73

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: WASP

UTC DATE y/m/d: 97/4/18
CAST NO.: 155

SHIP: 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 #	°C / dbar
1	1			718	✓					✓								
2	2			718	✓					✓								
3	3			718	✓					✓								
4	4			718	✓					✓								
5	5			718	✓					✓								
6	6			718	✓					✓								
7	7			718	✓					✓								
8	8			400	✓					✓								
9	9			400	✓					✓								
10	10			400	✓					✓								
11	11			400	✓					✓								
12	12			400	✓					✓								
13	13			400	✓					✓								
14	14			200	✓					✓								
15	15			200	✓					✓								
16	16			200	✓					✓								
17	17			200	✓					✓								
18	18			200	✓					✓								
19	19			200	✓					✓								
20	20			200	✓					✓								
21	21			50	✓					✓								
22	22			50	✓					✓								
23	23			50	✓					✓								

ENTERED BY:
CHECKED BY:

Bottom Depth: 730

Cast # down: 15f

Cast # up: 155

Time LOC UTC
Begin: 2041
Bottom: 2058
End:

START POSITION (GPS)
LAT: 48 20.67
LONG: 125 59.516

BOTTOM POSITION (GPS)
LAT: 48 20.806
LONG: 125 59.014

END POSITION (GPS)
LAT:
LONG:

Comments:

Collection of water near Parkley Canyon for R. Forbes

Rosette Log

CRUISE ID: 9707
STATION NAME: LC06

UTC DATE y/m/d: 97/4/17
CAST NO.: 160

SHIP: Tully

[illegible]

ENTERED BY:
CHECKED BY:

Bottom Depth: 93

Cast # down: 159

Cast # up: 160

Time	LOC	UTC
Begin:		1000
Bottom:		1009
End:		1007

START POSITION (GPS)	
LAT:	48 36.521
LONG:	125 54.001

BOTTOM POSITION (GPS)	
LAT:	48 36.50
LONG:	125 53.90

END POSITION (GPS)	
LAT:	48 36.530
LONG:	125 53.823

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LC08

UTC DATE y/m/d: 97/4/19
CAST NO.: 1622

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	1			5	5											✓		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
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18																		
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20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 196

Cast # down: 161

Cast # up: 162

Time	LOC	UTC
Begin:		1206
Bottom:		1210
End:		1214

START POSITION (GPS)
LAT: 48 29.466
LONG: 126 07.121

BOTTOM POSITION (GPS)
LAT: 48 29.566
LONG: 126 06.981

END POSITION (GPS)
LAT: 48 29.536
LONG: 126 06.936

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LA08

UTC DATE y/m/d: 97/04/20
CAST NO.: 168

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	466		7.5	135	135.9	✓ 33.7868												2.374
2	467		8.2	100	100.4	✓ 33.4989												3.225
3	468		8.4	75	74.1	✓ 33.0037												4.507
4	469		8.6	50	50.6	✓ 32.4274												4.582
5	470	→	9.2	30	28.2	✓ 32.2575												6.717
6	471		9.1	20	19.0	✓ 32.0560												6.659
7	472		9.2	10	9.8	✓ 31.9950												6.964
8	473		9.7	0	3.3	✓ 31.7727		↓										7.454
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 170

Cast # down: 167
Cast # up: 168

Time LOC UTC
Begin:
Bottom: 0448
End:

START POSITION (GPS)
LAT: 48 04.90
LONG: 125 30.34

BOTTOM POSITION (GPS)
LAT: 48 05.93
LONG: 125 30.30

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LAO'b

UTC DATE y/m/d: 97/04/20
CAST NO.: 172

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	474		7.4	105	106.1	✓ 33.7768												2.347
2	475		7.5	100	100.1	✓ 33.6917												2.493
3	476		8.1	75	74.2	✓ 33.0315												3.908
4	477		8.5	50	50.5	✓ 32.4293												5.500
5	478		8.4	30	29.1	✓ 31.6319												5.689
6	479		8.4	20	18.6	✓ 31.1094												5.779
7	480		9.3	10	9.3	✓ 30.7137												6.836
8	481		9.2	0	1.6	✓ 30.6574												6.943
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 115

Cast # down: 171

Cast # up: 172

Time LOC UTC
Begin:
Bottom: 0624
End:

START POSITION (GPS)
LAT: 48 12.63
LONG: 125 17.17

BOTTOM POSITION (GPS)
LAT: 48 12.65
LONG: 125 17.15

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LA04UTC DATE y/m/d: 97/4/20
CAST NO.: 176SHIP: 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	482	1079	6.9	175	177.4	33.8655		✓										2.066
2	483	1084	7.1	150	149.7	33.8335		✓										2.148
3	484	1090	7.3	125	125.1	33.7830		✓										2.283
4	485	1092	7.5	100	100.2	33.6773		✓										2.552
5	486	1032	7.7	75	75.4	33.2950		✓										3.135
6	487	1096	7.8	50	49.8	33.0051		✓										3.556
7	488	1100	8.1	30	30.0	30.1091		✓										4.342
8	489	1101	8.6	20	21.5	31.7128		✓										5.829
9	490	1103	8.7	10	10.7	31.5702		✓										6.056
10	491	1104	9.1	0	2.3	31.3266		✓										6.497
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:Bottom Depth: 190Cast # down: 175Cast # up: 176

Time	LOC	UTC
Begin:		<u>0808</u>
Bottom:		<u>0813</u>
End:		<u>0820</u>

START POSITION (GPS)	
LAT:	<u>48 19.436</u>
LONG:	<u>125 03.792</u>

BOTTOM POSITION (GPS)	
LAT:	<u>48 19.502</u>
LONG:	<u>125 03.792</u>

END POSITION (GPS)	
LAT:	<u>48 19.581</u>
LONG:	<u>125 03.776</u>

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LA02UTC DATE y/m/d: 97/04/20
CAST NO.: 182SHIP: 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	492	1105	6.5	B-10	292.6	33.9800		✓										1.847
2	493	1106	6.6	250	249.9	33.9613		✓										1.907
3	494	1109	6.8	200	201.4	33.9286		✓										2.008
4	495	1110	6.8	175	175.2	33.8869		✓										2.024
5	496	1113	6.9	150	150.7	33.8629		✓										2.092
6	497	1114	7.2	125	125.5	33.8073		✓										2.268
7	498	1119	7.8	100	101.9	33.6369		✓										2.709
8	499	1122	8.2	75	74.9	32.9835		✓										3.729
9	500	1126	8.2	50	50.9	32.4788		✓										4.688
10	501	1128	8.6	30	31.1	31.8777		✓										5.707
11	502	1130	9.3	20	21.3	30.7300		✓										6.520
12	503	1132	10.1	10	11.8	28.1387		✓										7.180
13	504	1133	10.3	0	2.2	26.9353		✓										7.257
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 303Cast # down: 179Cast # up: 180

Time LOC UTC

Begin: 0957Bottom: 1003End: 1016

START POSITION (GPS)

LAT: 48 26.358LONG: 124 51.338

BOTTOM POSITION (GPS)

LAT: 48 26.489LONG: 124 51.380

END POSITION (GPS)

LAT: 48 26.704LONG: 124 51.580

Comments:

Rosette Log

CRUISE ID:

9707

UTC DATE y/m/d:

97 04 21

SHIP:

Tully

STATION NAME:

LC10

CAST NO.:

187/188

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	505	1105	3.85	Bot 1000	1000	✓	34.35		✓								
1	✓2	506	1106	3.85	900	896	✓	34.35		✓								
2	✓3	507	1109	4.12	800	797	✓	34.30 *		✓	* CHECK SAL. IN OXY PROGRAM.							
3	✓4	508	1110	4.39	700	699	✓	34.25		✓			✓					
4	✓5	509	1113	4.57	600	602	✓	34.18		✓								
5	✓6	510	1114	4.82	500	500	✓	34.09		✓			✓					
6	✓7	511	1119	5.40	400	401	✓	34.04		✓								
7	✓8	512	1122	5.81	300	301	✓	33.97		✓								
8	✓9	513	1126	6.31	250	249	✓	33.97		✓			✓					
9	✓10	514	1128	6.89	200	200	✓	33.91		✓								
10	✓11	515	1130	7.2	175	174.7	✓	33.89		✓								
11	✓12	516	1132	7.4	150	148.7	✓	33.8		✓			✓					
12	✓13	517	1133	7.6	125	126.7	✓	33.7		✓								
13	✓14	518	1134	7.9	100	100.7	✓	33.5		✓			✓					
519 14	✓15																	
520 15	✓16	519	1135	8.1	75	73.1	✓	32.7		✓			✓					
521 16	✓17	520	1136	8.6	50	50.1	✓	32.3		✓			✓					
522 17	✓18	521	1137	9	30	27	✓	32.3		✓			✓					
523 18	✓19	522	1138	9.2	20	18.3	✓	32.3		✓			✓					
524 19	✓20	523	1139	9.4	10	8.0	✓	32.2		✓			✓					
525 20	✓21	524	1140	9.4	0	1.8	✓	32.2		✓								
526 21	22																	
	23																	

Comments:

1000m bottle is on 186 cons # - Bottle # 15 spring came off

ENTERED BY:

CHECKED BY:

Bottom Depth:

1115

Cast # down:

186

Cast # up:

187

Time LOC UTC

Begin:

1330

Bottom:

1354

End:

1425

START POSITION (GPS)

LAT: 48 22 519

LONG: 126 19 800

BOTTOM POSITION (GPS)

LAT: 48 22 59

LONG: 126 19 64

END POSITION (GPS)

LAT: 48 23 24

LONG: 126 19 46

Rosette Log

CRUISE ID:

9707

UTC DATE y/m/d:

97 04 21

SHIP:

Tully

STATION NAME:

LC8

CAST NO.:

191

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	525	1008	7.08	175	175	✓	33.91						✓	✓				
2	526			175	175	✓												
3	527	1020	7.54	150	148.6	✓	33.83						✓	✓				
4	528	1028	7.85	125	124.7	✓	33.75							✓				
5	529	1031		100	99.2	✓							✓	✓				
6	530	1032	8.18X	75	74.1	✓	33.54X	* CHECK T.S.					✓	✓				
7	531	1036	8.47	50	49.8	✓	32.68						✓	✓				
8	532	1039	8.82	30	30.0	✓	32.30							✓				
9	533			30	30.5	✓												
10	534	1047	8.82X	20	21.1	✓	32.30 X	* CHECK T.S.					✓	✓				
11	535	1052	9.42	10	9.6	✓	31.49							✓				
12	536			10	9.7	✓												
13	537	1056	9.49	6	6.5	✓	31.24							✓				
14	538	1062	10.13	0	2.1	✓	31.12							✓				
15	539			0	2.4	✓												
16	540			0	2.3	✓												
17	541			0	2.5	✓												
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 200

Cast # down: 190

Cast # up: 191

Time LOC UTC

Begin: 1910

Bottom: 1921

End: 1938

START POSITION (GPS)

LAT: 48 29 45

LONG: 126 06 96

BOTTOM POSITION (GPS)

LAT: 48 29 49

LONG: 126 06 79

END POSITION (GPS)

LAT: 48 29 52

LONG: 126 06 60

Comments:

#15 bottom seal drips, will look at O-ring
 #5 bottle no trip

Rosette Log

CRUISE ID:

9707

UTC DATE y/m/d:

97/4/21

SHIP:

Tully

STATION NAME:

LC7

CAST NO.:

1193

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	540	1065	7.3	125	120	33.74		✓				✓	✓					
2	541	1067	7.63	100	101	33.66		✓				✓	✓					
3	542	1068	8.38	75	74	33.29		✓				✓	✓					
4	543	1079	8.53	50	50	32.7		✓				✓	✓					
5	544	1084		30	31			✓				✓	✓	✓				
6	545	1080	8.85	20	20	32.16		✓				✓	✓	✓				
7	546	1092	9.23	15	15	31.85		✓				✓	✓	✓				
8	547	1086	9.31	10	9	31.77		✓				✓	✓	✓				
9	548	1100	9.69	0	2	31.63		✓				✓	✓	✓	✓			
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 129

Cast # down: 192

Cast # up: 193

Time LOC UTC

Begin: 2051

Bottom: 2055

End: 2059

START POSITION (GPS)

LAT: 48 33.12

LONG: 126 00.34

BOTTOM POSITION (GPS)

LAT: 48 33.17

LONG: 126 00.32

END POSITION (GPS)

LAT: 48 33.236

LONG: 126 00.231

Comments:

ROSETTE LOG

MISSION ID: 9707
STATION NAME: L603

UTC DATE y/m/d: 97/04/22
CAST NUMBER: 197

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	1			100														
2	2			98														
3	3			96														
4	4			94														
5	5			91														
6	6			90														
7	7			87														
8	8			84														
9	9			83														
10	10			80														
11	11			78														
12	12			76														
13	13			75														
14	14			72														
15	15			70														
16	16			69														
17	17			66														
18	18			64														
19	19			62														
20	20			61														
21	21			58														
22	22			56														
23	23			55														
24	24			53														

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:	12:24	
Bottom:		
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LG4

UTC DATE y/m/d: 97 4 22
CAST NO.: 199

SHIP: 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	CI3	ALK	NUT	SAL	CHL	POC	ph4	Serial #	°C / dbar
✓1	549	1105	7.2	B-10	136.2	33.88		✓				✓	✓					
✓2	550	1106	7.2	125	125.2	33.88		✓				✓						
✓3	551	1109	7.9	100	99.7	33.65		✓				✓	✓					
✓4	552	1110	8.2	75	75.3	33.0348		✓				✓						
✓5	553	1113	8.3	50	51.6	32.3854		✓				✓	✓	✓				
✓6	554	1114	8.8	30	30.5	31.9639		✓				✓		✓				
✓7	555	1119	9.1	20	20.8	31.8367		✓				✓	✓	✓				
✓8	556	1122	9.3	10	11.7	31.7169		✓				✓		✓	✓			
✓9	557	1126	9.7	0	1.8	31.4952		✓				✓	✓	✓		✓		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 145

Cast # down: 198
Cast # up: 199

Time	LOC	UTC
Begin:		1308
Bottom:		1322
End:		1330

START POSITION (GPS)
LAT: 49 11 35
LONG: 126 49 31

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 49 11 29
LONG: 126 48 71

Comments:

Rosette Log

CRUISE ID:

9707

UTC DATE y/m/d:

97 4 22

SHIP:

Tolly

STATION NAME:

LG5

CAST NO.:

201

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	558	1152	6.0	B-10	243.5	34.0029	✓						✓					
✓ 2	559	1153	6.4	200	198.9	33.9720	✓						✓					
✓ 3	560	1154	7.0	175	173.3	33.9153	✓						✓					
✓ 4	561	1155	7.6	150	150.0	33.8458	✓						✓					
✓ 5	562	1157	8.0	125	124.7	33.7011	✓						✓					
✓ 6	563	1158	8.2	100	99.9	33.4447	✓						✓					
✓ 7	564	1160	8.4	75	74.1	32.5886	✓						✓					
✓ 8	565	1163	8.5	50	48.8	32.1640	✓						✓					
✓ 9	566	1164	9.0	20	20.2	31.9321	✓						✓					
10	567	—	9.0	20	19.7	31.9233							✓					
✓ 11	568	1165	9.1	10	11.3	31.7837	✓						✓					
✓ 12	569	1167	9.3	5	5.1	31.5201	✓						✓					
13	570			5	5.4	31.5406							✓					
✓ 14	571	1168	9.4	0	2.6	31.3729	✓						✓				2.2	
15	572			0	2.2	31.3777							✓				1.4	
16	573			0	1.2	31.3790							✓				2.1	
17	574			0	2.1	31.3918							✓				2.0	
18	575			0	2.7	31.3772							✓				1.7	
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 200

Cast # up: 201

Time LOC UTC

Begin: 1620

Bottom: 1627

End: 1648

START POSITION (GPS)

LAT: 49 07 300

LONG: 126 54 993

BOTTOM POSITION (GPS)

LAT: 49 07 401

LONG: 126 54 95

END POSITION (GPS)

LAT: 49 07 48

LONG: 126 54 67

Comments:

ROSETTE LOG

MISSION ID: 9707
STATION NAME: L606
UTC DATE y/m/d: 97/04/22
CAST NUMBER: 203

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	1			957														
2	2			957														
3	3			957														
4	4			957														
5	5			957														
6	6			957														
7	7			957														
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: 18:17
Bottom:
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID:

9707

UTC DATE y/m/d:

97 04 22

SHIP:

TULLY

STATION NAME:

LG 7

CAST NO.:

205

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	572	1192	3.5	1000	1004	343824	✓					✓	✓					
✓2	573	1193	4.1	800	800	342894	✓					✓	✓					
✓3	574	1194	4.6	600	600	341919	✓					✓	✓					
✓4	575	1195	4.9	500	500	341158	✓					✓	✓					
5	576	1196		400	399		✓					✓	✓					
✓6	577	1196	6.0	300	300	339885	✓					✓	✓					
7	578	1198		250	250		✓					✓	✓					
✓8	579	1198	6.3	250	250	339797	✓					✓	✓					
✓9	580	1198	6.7	200	200	339473	✓					✓	✓					
✓10	581	1201	6.8	175	175	339227	✓					✓	✓					
✓11	582	1202	7.1	150	150	338819	✓					✓	✓					
✓12	583	1204	7.5	125	124	338103	✓					✓	✓					
✓13	584	1206	8.0	100	100	336916	✓					✓	✓					
✓14	585	1208	8.4	75	74	333041	✓					✓	✓					
✓15	586	1209	8.3	50	51	325915	✓					✓	✓					
✓16	587	1210	8.5	30	30	320953	✓					✓	✓					
✓17	588	1211	8.8	20	20	318999	✓					✓	✓					
✓18	589	1212	9.4	10	10	316124	✓					✓	✓					
✓19	590	1213	9.5	0	2	315520	✓					✓	✓					
20																		
21																		
22																		
23																		

Comments:

bottles 5+7 no fine

ENTERED BY:

CHECKED BY:

Bottom Depth:

1750

Cast # down:

204

Cast # up:

205

Time

LOC

UTC

Begin:

1942

Bottom:

2003

End:

START POSITION (GPS)

LAT: 48 59.36

LONG: 127 07.40

BOTTOM POSITION (GPS)

LAT: 48 59.055

LONG: 127 07.420

END POSITION (GPS)

LAT:

LONG:

Rosette Log

CRUISE ID: 9707
STATION NAME: LBP2

UTC DATE y/m/d: 97/04/23
CAST NO.: 207

SHIP: Tully

Niskin No.	Oxy Sample No.	Sample 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 #	°C / dbar
1	1008	591	8.36	B-10	84.3	✓ 32.36		✓			✓						845	
2	1010	592	8.41	75	74.3	✓ 32.26		✓			✓						75-0	
3	1020	593	8.63	50	50.2	✓ 31.78		✓			✓		✓				49.7	
4	1028	594	9.09	30	29.2	✓ 30.77		✓			✓		✓				29.1	
5	1031	595	9.31	20	20.3	✓ 30.39		✓			✓		✓				20.1	
6	1032	598	9.61	10	10.221	29.97		✓			✓		✓		✓		20.7	
7	1036	597	9.88	0	1-810	29.53		✓			✓		✓		✓		10.6	
8		598			2												2.8	
9																		
10																		
11																		
12	1				157				LBP3		14:06							
209	2	2			155						1997/04/23							
	3	3			155													
	4	4			152													
	5	5			152													
	6	6			151													
	7	7			151													
	19																	
	20																	
	21																	
	22																	
	23																	

ENTERED BY:
CHECKED BY:

Bottom Depth: 96

Cast # down: 206

Cast # up: 207

Time	LOC	UTC
Begin:		1319
Bottom:		1321
End:		

START POSITION (GPS)
LAT: 50 04 03
LONG: 127 54 36

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: LB74UTC DATE y/m/d: 97 04 23
CAST NO.: 211SHIP: 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	599	1039	3.82	B-10	824	✓ 34.29	✓						✓					
✓2	600	1045	3.86	800	802	✓ 34.28	✓						✓					
✓3	601	1047	4.55	600	599.7	✓ 34.15	✓						✓					
✓4	602	1052	4.83	500	499.8	- 34.12	✓						✓					
✓5	603	1054	5.24	400	400.7	✓ 34.05	✓						✓					
✓6	604	1056	5.9	300	300.5	✓ 33.9921	✓						✓					
✓7	605	1062	6.3	250	250.7	✓ 33.9648	✓											
✓8	606	1065	6.7	200	200.1	33.9303	✓											
✓9	607	1067	7.1	175	175.5	33.9332	✓											
✓10	608	1068	7.3	150	150.2	33.9064	✓											
✓11	609	1079	7.7	125	125	33.8316	✓											
✓12	610	1084	7.9	100	100.4	32.3605	✓											
✓13	611	1090	8.4	75	75.5	32.5462	✓											
✓14	612	1092	8.5	50	49.3	31.9452	✓											
✓15	613	1096	9.3	30	30.1	31.1898	✓											
✓16	614	1100	9.4	30	29.5	31.1508	✓											
✓17	615	1101	9.4	20	20.3	30.9219	✓						✓			129.17		
✓18	616	1103	9.4	15	15.8	30.77	✓						X			129.14		
✓19	617	1104		15	15.7													
✓20	618	1192	9.5	10	10.2	30.6077	✓						✓					
✓21	619	1193	9.5	10	10.3	30.577	✓						✓					
✓22	620	1194	9.5	5	5.1	30.4871	✓						X					
✓23	621	1196	9.5	5	4.9	30.4689	✓						✓					

Comments: 622 1195 9.50 1.9

✓

X

ENTERED BY: SH
CHECKED BY:Bottom Depth: 1090 m

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1459
Bottom:		1530
End:		1603

START POSITION (GPS)		
LAT:	50	01 444
LONG:	127	58 255

BOTTOM POSITION (GPS)		
LAT:	50	01 59
LONG:	127	58 56

END POSITION (GPS)		
LAT:	50	01 81
LONG:	127	58 90

19 No Fine

Rosette Log

CRUISE ID: 9707
 STATION NAME: LBP6

UTC DATE y/m/d: 97/04/23
 CAST NO.: 215

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	623	1152		730	730.9			✓				✓	-					
2	624	1153	4.54	600	598.4	34.18		✓				✓	-					
3	625	1154	4.96	500	500.8	34.1		✓				✓	-					
4	626	1155	5.34	400	399.3	34.04		✓				✓	-					
5	627	1157	5.85	300	300.6	34.00		✓				✓	-					
6	628	1158	6.29	250	249.7	33.97		✓				✓	-					
7	629	1160	6.73	200	201.3	33.94		✓				✓	-					
8	630	1163	6.89	175	172.6	33.93		✓				✓	-					
9	631	1164	7.03	150	149.9	33.87		✓				✓	-					
10	632	1165	7.38	125	124.6	33.8		✓				✓	-					
11	633	1167	7.69	100	99.4	33.67		✓				✓	-					
12	634	1168	8.05	75	75.1	33.41		✓				✓	-					
13	635	1171	8.28	50	50.9	32.51		✓				✓	-	✓				
14	636	1173	8.42	30	30.6	32.29		✓				✓	-	✓				
15	637	1174	8.9	20	19.6	31.87		✓				✓	-	✓				
16	638	1175	9.17	10	10.5	31.6		✓				✓	-	✓				
17	639	1176	9.3	0	0.0	31.55		✓				✓	-	✓	✓			
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
 CHECKED BY:

Bottom Depth: 730

Cast # down: 214

Cast # up: 215

Time	LOC	UTC
Begin:	1206	1906
Bottom:	1225	1925
End:	1244	1944

START POSITION (GPS)
 LAT: 49°56.06
 LONG: 128°05.44

BOTTOM POSITION (GPS)
 LAT: 49°56.10
 LONG: 128°05.30

END POSITION (GPS)
 LAT: 49°56.05
 LONG: 128°05.22

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: CPE 2

UTC DATE y/m/d: 97 04 24
CAST NO.: 217

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	640	1008	7.94	110	110	33.02		✓			✓	✓						
2	641	1010	8.00	100	101.6	33.92		✓			✓	✓						
3	642	1020	8.47	75	74.7	32.19		✓			✓	✓						
4	643	1028	8.84	50	50.1	31.46		✓			✓	✓						
5	644	1031	9.05	30	30.9	31.11		✓			✓	✓						
6	645	1032	9.2	20	19.7	31.00		✓			✓	✓						
7	646	1036	9.23	20	19.9	31.00		✓			✓	✓			✓			
8	647	1039	9.27	15	15.3	31.00		✓			✓	✓	✓					
9	648	1045	9.27	10	10.9	30.92		✓			✓	✓						
10	649	1047	9.26	10	10.1	30.90		✓			✓	✓	✓					
11	650	1052	9.47	5	4.7	30.77		✓			✓	✓			✓			
12	651	1054	9.49	5	4.9	30.76		✓			✓	✓						
13	652	1056	9.57	5	4.6	30.74		✓			✓	✓	✓		✓			
14	653	1062	9.65	0	1.7	30.71		✓			✓	✓						
15	654	1065	9.69	0	1.8	31.69		✓			✓	×						
16	655	1067	9.70	0	2.3	30.69		✓			✓	✓	✓	✓	✓	✓		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 123

Cast # down: 216
Cast # up: 217

Time LOC UTC
Begin:
Bottom: 0217
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 50 43 03
LONG: 128 40 83

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9707
STATION NAME: J023

UTC DATE y/m/d: 97/4/24
CAST NO.: 223

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	656	1192	3.4	1600	1000	34.3658		✓				✓						
✓ 2	657	1193	3.9	806	800	34.3033		✓				✓						
✓ 3	658	1194	4.1	600	600	34.1427		✓				✓						
✓ 4	659	1196	4.4	500	503	34.0526		✓				✓						
5	660	1195	4.8	400	400	33.9777		✓				✓						
✓ 6	661	1197	5.4	300	301	33.9215		✓				✓						
✓ 7	662	1198	5.9	250	250	33.9107		✓				✓						
✓ 8	663	1201	6.3	200	201	33.8844		✓				✓						
✓ 9	664	1202	6.5	175	176	33.8480		✓				✓						
✓ 10	665	1204	6.7	150	149	33.7697		✓				✓						
✓ 11	666	1206	7	125	126	33.5644		✓				✓						
✓ 12	667	1208	7.3	100	101	32.8991		✓				✓						
✓ 13	668	1209	7.3	75	76	32.5838		✓				✓						
✓ 14	669	1210	7.7	50	51	32.5153		✓				✓						
✓ 15	670	1203	8.5	30	30	32.3117		✓				✓						
✓ 16	671	1211	8.6	20	21	32.2870		✓				✓						
✓ 17	672	1212	8.9	10	10	32.1521		✓				✓						
✓ 18	673	1213	9.1	0	2	32.0775		✓				✓						
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 1967

Cast # down: 222

Cast # up: 223

Time	LOC	UTC
Begin:		0904
Bottom:		0924
End:		0957

START POSITION (GPS)
LAT: 50 40.66
LONG: 129 38.86

BOTTOM POSITION (GPS)
LAT: 50 40.88
LONG: 129 38.86

END POSITION (GPS)
LAT: 50 41.48
LONG: 129 39.52

Comments:

#5 NO trip, lanyard caught up?

Rosette Log

CRUISE ID: 9707
STATION NAME: CS2B

UTC DATE y/m/d: 97 04 24
CAST NO.: 227

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	674	1008	8.41	8-10	55.3	31.74		✓					✓					
2	675	1010	8.50	50	50.3	31.6438		✓					✓					
3	676	1020	8.67	30	30.2	31.49		✓					✓					
4	677	1028	8.94	20	20.8	31.35		✓					✓					
5	678	1031	9.05	10	9.7	31.33		✓					✓					
6	679	1032	9.05	0	1.8	31.32		✓					✓					
7	680	1036																
8	681	1039																
9	682	1045																
10	683	1047																
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 64

Cast # down: 226
Cast # up: 227

Time	LOC	UTC
Begin:		1546
Bottom:		1554
End:		1600

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 50 55 99
LONG: 128 59 87

END POSITION (GPS)
LAT: 50 56 02
LONG: 128 59 83

Comments:

Rosette Log

CRUISE ID:

9707

UTC DATE y/m/d:

97/04/24

SHIP:

Tully

STATION NAME:

CPE1

CAST NO.:

231

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	680	1192	7.03	B-10	146.6	33.20	✓				✓							
2	681	1193	7.32	125	125.4	32.77	✓				✓							
3	682	1194	7.65	100	100.7	32.15	✓				✓							
4	683	1196	8.63	75	75.1	31.22	✓				✓							
5	684	1195	8.93	50	48.9	31.17	✓				✓							
6	685	1197	9.37	25	25	31.04	✓				✓							
7	686			25	24.7						✓							
8	687	1198	9.5	15	14.2	30.9756	✓				✓							
9	688	1201	9.65	10	9.8	30.98	✓				✓							
10	689			10	9.6						✓							
11	690			7	7.1						✓							
12	691	1204	9.55	5	4.8	30.98	✓				✓							
13	692			5	4.4													
14	693			0	1.8													
15	694	1202	9.57	0	1.8	30.97	✓				✓							
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 158

Cast # down: 230

Cast # up: 231

Time LOC UTC

Begin: 2102

Bottom: 2107

End:

START POSITION (GPS)

LAT: 50 59 92

LONG: 127 49 76

BOTTOM POSITION (GPS)

LAT: 50 59 87

LONG: 127 49 65

END POSITION (GPS)

LAT:

LONG:

Comments: Sample No 690 should have been called 691 in the O2 program!