

Rosette Log

CRUISE ID:

9542

UTC DATE y/m/d:

95/2/2

SHIP: J.P. Tully

STATION NAME:

EFF01

CAST NO.:

2

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		CTD Serial #	m/l °C/dbar
1	1	1003	12.1	30	25.1	✓302694	✓						✓				30.2606	4.610
2	2	1004	11.6	25	19.7	✓30.0903	✓						✓				30.1507	4.922
3	3	1008	11.2	20	15.2	✓29.8266	✓						✓				29.7119	5.126
4	4	1010	11.3	15	9.9	✓29.7997	✓						✓				29.7563	5.019
5	5	1020	11.2	10	5.1	✓29.1070	✓						✓				28.4177	5.167
6	6	1027	10.6	5	-4	✓25.9372	✓						✓				26.6667	5.718
7	7	1028		1														
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 1

Cast # up: 2

Time LOC UTC

Begin: 1730

Bottom: 1732

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 05.58

LONG: 125 11.64

END POSITION (GPS)

LAT:

LONG:

Comments:

Rosette Log

CRUISE ID: 9542
STATION NAME: EFF02UTC DATE y/m/d: 95-12-12
CAST NO.: 3775SHIP: J. P. 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
1	7	1028	9.6	65	65.1	✓ 32.4268	✓						✓ 32.4548				29.3821	0.0
2	8	1031	9.7	65	65.3	✓ 32.4272	✓						✓ 32.4600				29.3821	0.0
3	9	1032	9.5	65	50.3	✓ 31.9511	✓						✓ 32.4590				29.3821	0.0
4	10	1033	10.1	50.3	40.3	✓ 31.2991	✓						✓ 32.1504				29.1092	1.882
5	12	1036	10.8	50.3	30.2	✓ 30.5368	✓						✓ 32.1650				29.1092	3.052
6	13	1039	11.7	40.3	20.2	✓ 29.8013	✓						✓ 31.4051				29.0772	4.078
7	14	1040	10.8	30.2	10.3	✓ 29.3133	✓						✓ 30.8348				28.8039	5.275
8	15	1045	10.7	20.2	5.4	✓ 28.1577	✓						✓ 29.9381				29.3051	5.567
9	16	1047	10.7	10.3	-3	✓ 18.661	✓						✓ 29.4180				29.2679	5.512
10	17	1052	10.4	5.4			✓						✓ 28.7813				29.1899	5.678
11				-3									27.5734				29.1909	
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

Comments:

11 bottles fired

ENTERED BY:

CHECKED BY:

Bottom Depth: 71.10 m12kH₃Cast # down: 84Cast # up: 45

Time LOC UTC

Begin: 1759Bottom: 18:05:53End: 1817

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 05.00LONG: 125 10.31

END POSITION (GPS)

LAT: 49° 04.962' NLONG: 125° 10.315' W

Rosette Log

CRUISE ID: 9542
STATION NAME: EFF 03UTC DATE y/m/d: 95-12-12
CAST NO.: 7SHIP: J. P. 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	18	1054	9.4	110	110.4	✓ 32.4954	✓					✓					32.4869	0.0
2	19	1056	9.3	110	100.8	✓ 32.4916	✓					✓					32.4870	0.0
3	20	1057	9.2	100	91.0	✓ 32.4888	✓					✓					32.4845	0.0
4	21	1062	9.3	90	80.2	✓ 32.4850	✓					✓					32.4820	0.0
5	22	1065	9.3	80	70.3	✓ 32.4791	✓					✓					32.4780	0.0
6	23	1067	9.3	80	60.3	✓ 32.4654	✓					✓					32.4781	0.0
7	24	1068	9.3	70	50.2	✓ 31.9666	✓					✓					32.4735	0.0
8	25	1069	9.2	60	30.4	✓ 30.4134	✓					✓					32.4599	0.29
9	26	1072	9.7	50	20.6	✓ 29.9118	✓					✓					32.0168	1.024
10	27	1079	10.8	30	10.2	✓ 29.3382	✓					✓					30.4690	4.443
11	28	1084	10.4	20.6	-0.7	✓ 22.4267	✓					✓					29.9101	5.299
12	29	1087	10.4	10.2			✓					✓					29.2492	5.589
13	30	1090	7.8	1			✓					✓					16.3112	7.501
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

Comments:

13 bottles closed. #3 high current, but not confirmed

ENTERED BY:

CHECKED BY:

Bottom Depth: 120.Cast # down: 6Cast # up: 7

Time LOC UTC

Begin:

Bottom: 18:46:44

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 04.25LONG: 125 09.53

END POSITION (GPS)

LAT:

LONG:

Rosette Log

CRUISE ID: 9542
STATION NAME: EFF05UTC DATE y/m/d: 95-12-13
CAST NO.: 9SHIP: J. P. 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	31	1003	9.6	200	189.8	X	✓	32.9395		✓					✓				32.9314	409
2	32	1004	9.4	175	174.4	✓		32.9324		✓					✓				32.9229	956
3	33	1008	9.4	150	149.9	✓		32.9192		✓					✓				32.9393	926
4	34	1010	9.4	125	125.0	✓		32.9312		✓					✓				32.9230	1928
5	35	1020	9.4	100	99.8	✓		32.8674		✓					✓				32.8573	1005
6	36	1027	9.5	75	90.0	✓		32.8395		✓					✓				32.8301	1152
7	37	1028	9.6	50	79.8	✓		32.7960		✓					✓				32.7803	1258
8	38	1031	9.8	25	70.0	✓		32.4808		✓					✓				32.4668	1694
9	39	1032	10.3	0	65.3	✓		32.2081		✓					✓				32.1859	2535
10	40	1033	10.4		60.2	✓		31.8576		✓					✓				31.8379	3275
11	41	1036	10.6		55.3	✓		31.7674		✓					✓				31.6786	3474
12	42	1039	10.6		50.4	✓		31.5863		✓					✓				31.5732	3677
13	43	1040	11.0		39.9	✓		31.3080		✓					✓				31.0802	4424
14	44	1045	11.0		30.2	✓		30.4556		✓					✓				30.3252	5020
15	45	1047	10.7		20.4	✓		30.1708		✓					✓				30.1472	5500
16	46	1052	10.6		10.1	✓		29.6757		✓					✓				29.5425	5784
17	47	1054	10.0		-4.2	✓		27.4458		✓					✓				21.9511	6071
18																				
19																		CTD		
20																		average		
21																				
22																				
23																				

ENTERED BY:

CHECKED BY:

Bottom Depth: 205Cast # down: 8Cast # up: 9

Time LOC UTC

Begin:

Bottom: 04:29:29

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 02.51LONG: 125 09.11

END POSITION (GPS)

LAT:

LONG:

Comments: current, 20 cm/sec
17 bottles closed.647 8.697 2099 125.5
679 8.693

Rosette Log

CRUISE ID: 9542
STATION NAME: EFF 11UTC DATE y/m/d: 95.12.13
CAST NO.: 11SHIP: J. P. 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	48	1096	10.7	80	80.4	✓ 32.1123	✓										32.0874	3.055
2	49	1160	10.7	70	70.4	✓ 31.6770	✓										31.6740	3.913
3	50	1101	11.1	60	60.5	✓ 31.3090	✓										31.2788	4.496
4	51	1103	10.7	50 *	50.2	x ✓ 30.396	2 ✓										30.3951	5.987
5	52	1104	10.2	40	40.0	✓ 30.3031	✓										30.3038	6.031
6	53	1105	10.2	30	29.9	✓ 30.1779	✓										30.0991	6.094
7	54	1106	10.8	20	20.6	✓ 29.8931	✓										29.9653	6.069
8	55	1109	10.4	10	10.1	✓ 27.3850	✓										27.2982	6.463
9	56	1110	9.5	1	0.15	✓ 26.4073	✓										26.5302	6.504
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

Comments:

9 bottles closed.P 2099 50.8
T 647 10.029
T 679 10.023ENTERED BY:
CHECKED BY:Bottom Depth: 86Cast # down: 10Cast # up: 11

Time LOC UTC

Begin: 0819Bottom: 1622

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48°59.12'NLONG: 123°11.04'N

END POSITION (GPS)

LAT:

LONG:

Rosette Log

CRUISE ID: 9542
STATION NAME: EFF 10UTC DATE y/m/d: 95.12.13
CAST NO.: 13SHIP: JP 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	1111	10.4	100	90.5	✓ 32.0254	✓										32.0170	3.168
2	58	1113	10.8	90	79.8	✓ 31.8997	✓										31.7922	3.411
3	59	1114	10.8	80	69.8	✓ 31.2663	✓										31.2294	4.461
4	60	1119	11.0	70 *	60.3	✓ 30.8161	✓										30.7917	5.113
5	61	1120	11.0	60	50.3	✓ 30.8651	✓										30.7308	5.317
6	62	1121	10.7	50	40.5	✓ 30.7406	✓										30.6080	5.464
7	63	1122	10.7	40	29.9	✓ 30.1573	✓										30.1789	5.994
8	64	1125	10.3	30	19.9	✓ 29.1602	✓										29.0809	5.993
9	65	1126	9.9	20	9.9	✓ 26.8391	✓										27.0957	6.322
10	66	1128	9.9	10	-0.31	✓ 25.6931	✓										25.8897	6.470
11	67	1129		1														
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

Comments:

10 bottles closed

61.0 db

57 check and print. ✓

679 10.503

647 10.512

ENTERED BY:

CHECKED BY:

Bottom Depth: 97Cast # down: 12Cast # up: 13

Time LOC UTC

Begin: 1702Bottom: 1704End: 1729

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48°59.86' NLONG: 125°11.23' W

END POSITION (GPS)

LAT: 48°59.82' NLONG: 125°11.23' W

Rosette Log

CRUISE ID: 9542
STATION NAME: EFF 08UTC DATE y/m/d: 95.12.13
CAST NO.: 7516SHIP: J. P. 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
1	67	1129	10.0	80	80.3	✓ 33.0721		✓					✓				33.0315	1.081
2	68	1130	10.2	70	69.8	✓ 32.7579		✓					✓				32.7065	1.605
3	69	1132	10.7	60	60.0	✓ 32.4194		✓					✓				32.1439	2.948
4	70	1133	10.6	50	49.9	✓ 31.9275		✓					✓				31.7109	3.735
5	71	1134	11.0	40	40.5	✓ 31.2147		✓					✓				31.0570	4.815
6	72	1135	10.4	30	29.8	X ✓ 30.57	60	✓					✓				30.5688	5.842
7	73	1136	10.8	20	20.4	✓ 30.8016		✓					✓				30.3681	5.828
8	74	1137	10.8	10	9.9	✓ 28.9263		✓					✓				27.9579	5.951
9	75	1138	9.5	1	0.01	X ✓ 22.871	6	✓					✓				23.1296	6.639
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:Bottom Depth: 82Cast # down: X 15Cast # up: X 16

Time	LOC	UTC
Begin:		
Bottom:		17:50
End:		18:02

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: <u>49° 0.72 N</u>
LONG: <u>125° 10.21 W</u>

END POSITION (GPS)
LAT: <u>49° 0.76 N</u>
LONG: <u>125° 10.21 W</u>

Comments:

P 2099 - 48.8

#73 check end point .936 .937

T 679 - 10.660

T 647 - 10.668

Rosette Log

CRUISE ID: 9542
STATION NAME: EFF07UTC DATE y/m/d: 95.12.13
CAST NO.: 17SHIP: J. P. 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	76	1003	9.3	110	109.6	✓		✓					✓				34.	.963
2	77	1004	9.6	100	100.4	✓		✓					✓					.998
3	78	1008	9.2	90	90.2	✓		✓					✓					.944
4	79	1010	9.6	80	80.4	✓		✓					✓					1.043
5	80	1020	9.9	70	70.4	✓		✓					✓					2.063
6	81	1027	10.5	60	60.4	✓		✓					✓					3.261
7	82	1028	10.7	50	50.3	✓		✓					✓					3.818
8	83	1031	10.9	40	39.7	✓		✓					✓					4.718
9	84	1032	10.6	30	30.5	✓		✓					✓					5.638
10	85	1033	10.6	20	20.9	✓		✓					✓					5.819
11	86	1036	10.4	10	10.1	✓		✓					✓					6.190
12	87	1039	9.6	1	0.12			✓					✓					6.606
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 122Cast # down: 17Cast # up: 17

Time LOC UTC

Begin: 2146Bottom: 214939End: 2208

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49° 01.21' NLONG: 125° 09.44' W

END POSITION (GPS)

LAT: 49° 01.23' NLONG: 125° 09.51' W

Comments:

Fairly strong flood to NorthSalinity not workingP 48.8T679 10.660T647 10.668#84 check end point ✓

Rosette Log

CRUISE ID: 9542
STATION NAME: EFFOEUTC DATE y/m/d: 95.12.14
CAST NO.: 19SHIP: J.P. 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	88	1096	9.3	200	200.4	✓ 32.7458		✓				✓					32.7378	22.9
2	89	1100	9.1	195	194.7	✓ 32.7447		✓				✓					32.7369	26.0
3	90	1101	9.1	190	189.8	✓ 32.7433		✓				✓					32.7356	40.0
4	91	1103	9.1	185	185.1	✓ 32.7425		✓				✓					32.7334	75.7
5	92	1104	9.1	180	180.0	✓ 32.7414		✓				✓					32.7314	85.9
6	93	1105	9.1	170	169.9	✓ 32.7385		✓				✓					32.7284	82.9
7	94	1106	9.1	150	149.7	✓ 32.7319		✓				✓					32.7210	98.6
8	95	1109	9.1	130	130.2	✓ 32.7187		✓				✓					32.7087	94.7
9	96	1110	9.1	110	110.1	✓ 32.6962		✓				✓					32.6875	99.7
10	97	1111	9.1	100	100.0	✓ 32.6662		✓				✓					32.6524	99.7
11	98	1113	9.3	90	90.2	X ✓ 32.6325		✓				✓					32.6241	111.2
12	99	1114	9.3	80	80.2	✓ 32.5865		✓				✓					32.5570	124.2
13	100	1119	9.8	70	70.3	✓ 32.0752		✓				✓					31.5551	184.5
14	101	1120	10.3	60	60.3	✓ 31.5471		✓				✓					31.5474	328.6
15	102	1121	10.7	50	50.3	✓ 31.1143		✓				✓					30.6053	391.9
16	103	1122	10.3	30	29.3	✓ 29.9072		✓				✓					31.0427	551.4
17	104	1125	10.1	10	9.8	✓ 27.9853		✓				✓					31.4623	608.0
18	105	1126	9.1	1	10.1	✓ 19.0751						✓					32.1132	682.8
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 18Cast # up: 19

Time	LOC	UTC
Begin:		
Bottom:		0038
End:		0056

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: <u>49° 02.54' N</u>
LONG: <u>125° 09.01' W</u>

END POSITION (GPS)
LAT: <u>49° 02.50' N</u>
LONG: <u>125° 08.93' W</u>

Comments: Salinity jump at 50m → probably lost salinity! * 184.7 flask 111 broken.
T679 8.651
T647 8657

Rosette Log

CRUISE ID: 9542
STATION NAME: RBO3

UTC DATE y/m/d: 95.12.14
CAST NO.: 34

SHIP: J. P. 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	106	1004	9.0	30	29.8	✓ 29.3676	✓						✓				29.3619	5.500
2	107	1008	9.0	25	25.2	✓ 29.3691	✓						✓				29.3444	5.528
3	108	1010	9.0	20	20.3	✓ 29.2112	✓						✓				29.2034	5.595
4	109	1020	9.88	15	15.2	✓ 29.1883	✓						✓				29.1813	5.635
5	110	1027	9.2	10	10.2	✓ 29.1783	✓						✓				29.1726	5.646
6	111	1028	8.8	5	5.3	✓ 29.1131	✓						✓				29.1271	5.655
7	112	1031	8.8	1	-2	✓ 29.0137	✓						✓				29.0095	5.712
8	113	1032																
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 30

Cast # down: 33

Cast # up: 34

Time	LOC	UTC
Begin:		2058
Bottom:		2100
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 483766
LONG: 123 23.24

END POSITION (GPS)
LAT:
LONG:

Comments: