

Rosette Log

CRUISE ID:

9609

UTC DATE y/m/d:

6/5/96

STATION NAME:

S13

CAST NO.:

2.

SHIP:

Tully

Niskin No.	Sample No. LABEL	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	220	1179	10.0	220	212.9	✓		✓					✓				0.0	26.434
2	210	1180	9.8	210	212.9	✓		✓					✓				0.0	26.421
3	200	1181	10.0	200	200.8	✓		✓					✓				0.0	26.459
4	190	1182	10.0	190	200.8	✓		✓					✓				0.0	26.460
5	180	1183	9.6	180	190.2	✓		✓					✓				0.0	26.459
6	170	1184	9.6	170	180.9	✓		✓					✓				0.0	26.460
7	160	1186	9.6	160	171.6	✓		✓					✓				0.0	26.461
8	150	1187	9.7	140	160.6	✓		✓					✓				0.0	26.461
9	140 x	1188	9.5	125	140.8	✓		✓					✓				.21	26.458
10	125 x	1189	9.6	100	124.7	✓		✓					✓				2.63	26.459
11	100 x	1190	9.3	75	100.7	✓		✓					✓				14.35	26.617
12	75 x	1191	9.0	50	75.6	✓		✓					✓				80.93	26.703
13	50 x	1192	8.9	40	51.0	✓		✓					✓				239.44	26.161
14	40 x	1193	9.1	30	40.7	✓		✓					✓				252.12	26.274
15	30	1194	9.1	20	30.9	✓		✓					✓				255.20	26.297
16	20	1195	9.4	10	20.6	✓		✓					✓				258.49	26.264
17	10	1196	9.5	5	10.5	✓		✓					✓				269.66	26.180
18	5	1197	10.0	0	5.9	✓		✓					✓				360.19	26.036
19	0	1198	11.4		.4	✓		✓					✓				405.22	25.348
20																		
21																		
22																		
23																		

ENTERED BY:

BMM

CHECKED BY:

Bottom Depth:

215

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

Bottom:

1430

End:

1503

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Bottom 213

Comments:

#13 from end point

Rosette Log

CRUISE ID: 9609
STATION NAME: P4

UTC DATE y/m/d: 8/5/96
CAST NO.: 10

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
							OXY		C13		NUT		CHL					
SP 1	20			125	123.9	NO								✓				
SP 2	21			125	124.0	NO								✓				
3	22			125	124.2	✓								✓				
4	23			125	125.3	NO								✓				
5	24			100	99.2	NO								✓				
6	25			100	100.0	NO								✓				
7	26			100	99.4	NO								✓				
8	27			100	98.7	N								✓				
✓ 9	28			75	74.5	N								✓				
✓ 10	29			75	73.6	N								✓				
SP 11	30			75	73.4	N								✓				
✓ 12	31			75	74.1	N								✓				
13	32			50	48.8	N								✓				
14	33			50	48.7	N								✓				
SP 15	34			50	47.9	N								✓				
16	35			25	24.9	N								✓				
17	36			25	25.3	N								✓				
18	37			25	24.7	N								✓				
19	38			10	9.7	N								✓				
20	39			10	9.1	N								✓				
21	40			10m	9.1	N								✓				
22	41			Surface	0.6	N								✓				
23	42			Surface	0.4	N								✓				

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 9
Cast # up: 10

Time	LOC	UTC
Begin:		2137
Bottom:		2151
End:		2219

START POSITION (GPS)
LAT: 48 38.96
LONG: 126 40.05

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Sample #

Rosette Log

CRUISE ID: 9609
STATION NAME: MP04UTC DATE y/m/d: 96 05 08
CAST NO.: 12SHIP: 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	DM	Serial #	°C / dbar
✓ 1	43			400	404.0	N						✓	✓			✓		
✗ 2	44			300	299.8	N						✓	✓		✓	✓		
✓ 3	45			250	250.0	N						✓	✓			✓		
4	46			200	200.7	N						✓	✓		✓	✓		
✓ 5	47			175	175.9	N						✓	✓			✓		
6	48			150	150.7	N						✓	✓			✓		
✓ 7	49			125	123.5	N						✓	✓			✓		
8	50			100	100.7	N						✓	✓	✓	✓	✓		
✓ 9	51			80	79.8	✓						✓	✓	✓	✓	✓		
10	} FOR M. SOON			75	75.4	N												
✓ 11				75	75.3	✓												
12				75	75.4	N												
✓ 13	52			60	61.4	✓						✓	✓	✓		✓		
14	53			50	51.0	N						✓	✓	✓	✓	✓		
✓ 15	54			40	41.3	✓						✓	✓	✓		✓		
16	55			30	31.2	N						✓	✓	✓	✓	✓		
✓ 17	56			20	21.5	✓						✓	✓	✓	✓	✓		
18	57			15	16.0	✓						✓	✓	✓		✓		
✓ 19	58			10	11.0	✓						✓	✓	✓	✓	✓		
20	59		NO TITR	5	5.4	N						✓	✓	✓	✓	✓		
21	60			0	0.7	✓						✓	✓	✓	✓	✓		
22																		
23																		

ENTERED BY:
CHECKED BY:Bottom Depth: 1310Cast # down: 11Cast # up: 12

Time	LOC	UTC
Begin:		2300
Bottom:		2307
End:		2348

START POSITION (GPS)		
LAT:	48 39	260
LONG:	126 40	088

BOTTOM POSITION (GPS)		
LAT:	48 39	293
LONG:	126 40	101

END POSITION (GPS)		
LAT:	48 39	111
LONG:	126 39	694

Comments:

Salinity Gluey

Rosette Log

CRUISE ID: 9607
STATION NAME: NP 04UTC DATE y/m/d: 9/5/96
CAST NO.: 14SHIP: 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				700 m	700	✓												
2				10	10	z												
3					10	z												
4					10	z												
5					10	z												
6					10	✓												
7					10	z												
8					10	✓												
9					10	z												
10					10	✓												
11					10	z												
12					10	✓												
13					10	z												
14					10	✓												
15					10	z												
16					10	✓												
17					10	z												
18					10	X ✓												
19					10	z												
20					10	✓												
21					10	z												
22					10	✓												
23				10	10	z												

ENTERED BY: HUGH
CHECKED BY:Bottom Depth: 1350Cast # down: 13Cast # up: 14

Time	LOC	UTC
Begin:		1207
Bottom:		1215
End:		1235

START POSITION (GPS)		
LAT:	48 30	124
LONG:	126 39	014

BOTTOM POSITION (GPS)		
LAT:	48 38	954
LONG:	126 39	009

END POSITION (GPS)		
LAT:	48 39	032
LONG:	126 39	060

Comments:

Rosette Log

CRUISE ID:

9609

UTC DATE y/m/d:

9/5/96

SHIP:

Tully

STATION NAME:

MP04

CAST NO.:

16.

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	DO	OXY	TCO	C13	ALK	NUT	SAL	CHL	POC	0/8 DOA	Serial #	°C / dbar
1	61	1179	4.0	8-20	1326.1	✓ 34.4903	✓	✓				✓	✓		✓		.546	
2	62	1180	4.3	1250	1251.2	N 34.4710		✓				✓	✓		✓		487	
3	63	1181	4.7	1000	999.8	N 34.3880		✓				✓	✓		✓		chuck	
4	64	1182	5.0	800	999.8	✓ 34.3884		✓				✓	✓		✓		.278	3.520 3.943x
5	65	1183	5.1	600	801.3	N 34.2719	✓	✓	✓		✓	✓	✓		✓	✓	.295	
6	66	1184	5.6	400	601.4	✓ 34.1678	✓	✓	✓		✓	✓	✓		✓	✓	.459	
7	67	1186	6.5	300	401.0	N 34.0267	✓	✓	✓		✓	✓	✓		✓	✓	1.311	
8	68	1187	7.2	200	300.6	✓ 33.9644	✓	✓	✓		✓	✓	✓		✓	✓	2.020	
9	69	1188	7.8	150	200.8	N 33.8745	✓	✓	✓		✓	✓	✓		✓	✓	2.552	
10	70	1189	8.1	100	151.2	✓ 33.7690	✓	✓	✓		✓	✓	✓		✓	✓	2.682	
11	71	1190	8.8	75	100.4	N 33.3582	✓	✓	✓		✓	✓	✓		✓	✓	3.660	
12	72	1191	9.3	50	75.4	✓ 32.8331	✓	✓	✓		✓	✓	✓		✓	✓	4.328	
13	73	1192	10.0	25	51.0	N 32.3413	✓	✓	✓		✓	✓	✓		✓	✓	6.274	
14	74	1193	10.5	0	25.4	✓ 31.7929	✓	✓	✓	✓	✓	✓	✓		✓	✓	6.054	
15	75	1194	11.0	?	1.4	30.5080											6.944	
16																		
17																		
18																		
19	CTD	. CAB		Bottle Number														
20	hydra	. OXY file		add channel 12		Bottle Number												
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 1322

Cast # down: 15

Cast # up: 16

Time LOC UTC

Begin: 1953

Bottom: 2016

End: 2104

START POSITION (GPS)

LAT: 48 38.92

LONG: 126 39.95

BOTTOM POSITION (GPS)

LAT: 48 38.97

LONG: 126 39.79

END POSITION (GPS)

LAT: 48 39.19

LONG: 126 39.69

Comments:

Very close to the bottom ± 2 m but gentle 1326.16.

Bottle 3 very jumpy current for bottle trip

Transducer noisy in mud.

15 bottles fired

[# 63 .051 or .056]

11.08
255

WOCF.PRS ADDSAMP.DAT

Rosette Log

CRUISE ID: 9609
STATION NAME: P16

UTC DATE y/m/d: 12/5/96
CAST NO.: 38

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION			Samples taken										Temperature or Pressure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
					Trip pressure	Confirmed		CFC		TCO		ALK		SAL		POC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

ENTERED BY:
CHECKED BY:

Bottom Depth: 3648

Cast # down: 37
Cast # up: 38

Time	LOC	UTC
Begin:		19:50
Bottom:		1953
End:		2016

START POSITION (GPS)
LAT: 49 16 91
LONG: 134 39 82

BOTTOM POSITION (GPS)
LAT: 49 16 89
LONG: 134 39 83

END POSITION (GPS)
LAT: 49 16 84
LONG: 134 39 66

Comments:

Rosette Log

CRUISE ID: 9609
STATION NAME: MP16/6

UTC DATE y/m/d: 960512
CAST NO.: 40

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	DMB	Serial #	°C / dbar
1				400	397	✓												
2	BIO SAMPLES			400	399	N												
3				400	398	N												
4				400	397	N												
5	77	1179	5.0	400	399.7	N	✓				✓	✓	✓		✓		1.588	
6	78	1180	5.4	300	300.9	N	✓				✓	✓	✓		✓		2.251	
7	79	1181	5.7	250	248.0	N	✓				✓	✓	✓		✓		2.977	
8	80	1182	6.4	200	199.9	N	✓				✓	✓	✓		✓		3.513	
9	81	1183	7.1	175	174.0	N	✓				✓	✓	✓		✓		4.277	
10	82	1184	7.1	150	150.0	N	✓				✓	✓	✓		✓		4.462	
11	83	1186	7.2	125	125.6	N	✓				✓	✓	✓		✓		5.131	
12	84	1187	7.9	100	99.7	N	✓				✓	✓	✓	✓	✓		6.400	
13	85	1188	8.2	80	79.6	N	✓				✓	✓	✓	✓	✓		6.731	
14	86	1189	8.4	60	66.0	N	✓				✓	✓	✓	✓	✓		6.818	
15	87	1190	8.5	50	50.5	N	✓				✓	✓	✓	✓	✓		6.864	
16	88	1191	8.6	40	39.0	N	✓				✓	✓	✓	✓	✓		6.861	
17	89	1192	8.6	30	36.3	N	✓				✓	✓	✓	✓	✓		6.843	
18	90	1193	8.6	20	20.7	N	✓				✓	✓	✓	✓	✓		6.874	
19	91	1194	8.6	15	15.3	N	✓				✓	✓	✓	✓	✓		6.856	
20	92	1195	8.6	10	12.3	N	✓				✓	✓	✓	✓	✓		6.796	
21	93	1196	8.6	5	8.0	N	✓				✓	✓	✓	✓	✓		6.862	
22	94	1197	8.7	0	1.6	N	✓				✓	✓	✓	✓	✓		6.853	
23																		

ENTERED BY:
CHECKED BY: Bm

Bottom Depth: 3648Cast # down: 39Cast # up: 40

Time	LOC	UTC
Begin:		2147
Bottom:		2154
End:		2223

START POSITION (GPS)
LAT: 4916.85
LONG: 134 39.89

BOTTOM POSITION (GPS)
LAT: 4916.80
LONG: 134 39.85

END POSITION (GPS)
LAT: 4916.77
LONG: 134 39.66

Comments:

2-3 metre swell all depths + swell

H

Rosette Log

CRUISE ID: 9609
STATION NAME: MP 16UTC DATE y/m/d: 13/5/96
CAST NO.: 42SHIP: J. A. 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				20	19.6	N												
2				20	19.4	N												
3				20	20.8	✓												
4				20	20.1	N												
5				20	19.8	✓												
6				20	20.2	N												
7				20	20.6	✓												
8				20	19.8	N												
9				20	20.7	✓												
10				20	20.3	N												
11				20	20.6	✓												
12				20	18.9	N												
13				20	19.0	✓												
14				20	19.2	N												
15				20	20.0	✓												
16				20	20.1	N												
17				20	18.5	✓												
18				20	19.2	N												
19				20	19.8	✓												
20				20	19.3	N												
21				20	20.9	✓												
22				20	19.4	N												
23				20	19.9	✓												

ENTERED BY: HUGH
CHECKED BY:Bottom Depth: 3636 mCast # down: 41Cast # up: 42

Time	LOC	UTC
Begin:		<u>1436</u>
Bottom:		<u>1437</u>
End:		<u>1451</u>

START POSITION (GPS)	
LAT:	<u>49 16.94</u>
LONG:	<u>134 40.10</u>

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)	
LAT:	
LONG:	

Comments:

Rosette Log

CRUISE ID:

9609

UTC DATE y/m/d:

13/5/96

SHIP:

Tully

STATION NAME:

MP16

CAST NO.:

44

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	DOC	DOX	TCO	C13	ALK	NUT	SAL	CHL	POC	BAC	Serial #	°C / dbar
✓	1	95	1179	3.8	B-20	3672	✓	34.681		✓			✓	✓				2.748
✓	2	96	1180	3.7	3500	3500	✓	34.678		✓			✓	✓				2.694
✓	3	97	1181	4.7	3000	3000	✓	34.664		✓			✓	✓		✓		2.444
* ✓	4	98	1182	3.9	2750	2752.5	✓	34.654		✓			✓	✓		2.219	T 647 1.639 T 619 1.681	2750
✓	5	99	1183	3.7	2500	2498.7	✓	34.642		✓			✓	✓				2.007
✓	6	100	1184	3.8	2250	2251.3	✓	34.625		✓			✓	✓				1.685
✓	7	101	1186	4.9	2000	1999.1	✓	34.604		✓			✓	✓				1.418
✓	8	102	1187	4.1	1750	1751.7	✓	34.568		✓			✓	✓				1.081
✓	9	103	1188	4.1	1500	1501.8	✓	34.517		✓			✓	✓		✓	✓	.675
✓	10	104	1189	4.2	1250	1256.2	✓	34.453		✓			✓	✓		✓		.421
✓	11	105	1190	4.9	1000	1002.4	✓	34.368		✓			✓	✓		✓		.334
✓	12	106	1191	5.1	800	804.5	✓	34.288		✓			✓	✓		✓		339
✓	13	107	1192	5.3	600	599.4	✓	34.150	✓	✓	✓		✓	✓		✓	✓	647
✓	14	108	1193	5.8	400	407.3	✓	33.990	✓	✓	✓		✓	✓		✓		1.385
200 ✓	15	109	1194	5.7	300	300	✓	33.906	✓	✓	✓		✓	✓		✓		1.291
200 ✓	16	110	1195	6.3	200	303.7	✓	33.874	✓	✓	✓		✓	✓		✓	✓	2.188
200 ✓	17	111	1196	6.6	150	201.2	✓	33.789	✓	✓	✓		✓	✓		✓		3.489
150 ✓	18	112	1197	7.6	100	150.9	✓	32.937	✓	✓	✓		✓	✓	✓	✓	✓	4.318
100 ✓	19	113	1198	7.8	75	104.1	✓	32.603	✓	✓	✓		✓	✓	✓	✓		5.964
75 ✓	20	114	1199	8.3	50	76.8	✓	32.566	✓	✓	✓		✓	✓	✓	✓	✓	6.738
50 ✓	21	115	1200	8.7	25	50.2	✓	32.582	✓	✓	✓		✓	✓	✓	✓		6.870
25 ✓	22	116	1201	8.7	0	24.8	✓	32.580	✓	✓	✓		✓	✓	✓	✓		6.861
0 ✓	23	117		8.6		0.8					✓							6.866

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 3641

Cast # down: 43

Cast # up: 44

Time LOC UTC

Begin: 1933

Bottom: 2036

End: 2209

START POSITION (GPS)

LAT: 49 16 985

LONG: 134 40 209

BOTTOM POSITION (GPS)

LAT: 49 17 654

LONG: 134 40 076

END POSITION (GPS)

LAT: 49 17.06

LONG: 134 40.08

32.5 - 34

Rosette Log

CRUISE ID:

9609

UTC DATE y/m/d:

15/5/96

STATION NAME:

MP20

CAST NO.:

54

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
300	1	117a	1204	4.9	400	301.1	✓	33.9036		✓			✓	✓		✓	✓	1.906
250	2	118	1198	5.5	300	247.8	✓	33.8738		✓			✓	✓		✓		2.450
200	3	119	1192	6.0	250	202.3	✓	33.8648		✓			✓	✓		✓	✓	3.002
175	4	120	1186	6.3	200	175.1	✓	33.8487		✓			✓	✓		✓		3.366 5.903 120 177
150	5	121	1179	6.5	175	150.4	✓	33.8167		✓			✓	✓		✓	✓	3.385
125	6	122	1210	6.8	150	125.4	✓	33.7238		✓			✓	✓		✓		3.562
100	7	123	1207	6.7	125	101.7	✓	33.4370		✓			✓	✓		✓	✓	4.632
80	8	124	1199	6.5	100	81.6	✓	32.7850		✓			✓	✓	✓	✓	✓	6.405
60	9	125	1200	7.3	80	60.0	✓	32.5869		✓			✓	✓	✓	✓	✓	6.898
50	10	126	1201	7.6	60	51.4	✓	32.5748		✓			✓	✓	✓	✓	✓	6.940
40	11	127	1202	7.6	50	39.3	✓	32.5711		✓			✓	✓	✓	✓	✓	6.954
40	12	128	1203	7.6	40	39.3	✓	32.5702		✓			✓	✓	✓	✓	✓	6.950
30	13	129	1208	7.6	30	30.3	✓	32.5702		✓			✓	✓	✓	✓	✓	6.919
20	14	130	1193	7.7	20	21.6	✓	32.5690		✓			✓	✓	✓	✓	✓	6.946
15	15	131	1194	7.6	15	15.4	✓	32.5687		✓			✓	✓	✓	✓	✓	6.955
10	16	132	1195	7.6	10	10.4	✓	32.5686		✓			✓	✓	✓	✓	✓	6.944
5	17	133	1196	7.6	5	3.8	✓	32.5685		✓			✓	✓	✓	✓	✓	6.940
0	18	134	1197	7.6	0	.4	✓	32.5684		✓			✓	✓	✓	✓	✓	6.964
	19				40		✓											
	20				40		✓											
	21				40		✓											
	22				40		✓											
	23																	

ENTERED BY:

BM

CHECKED BY:

Bottom Depth:

3965

Cast # down:

53

Cast # up:

54

Time

LOC

UTC

Begin:

1743

Bottom:

1749

End:

1818

START POSITION (GPS)

LAT:

4933.59

LONG:

1384050

BOTTOM POSITION (GPS)

LAT:

493359

LONG:

1384046

END POSITION (GPS)

LAT:

493358

LONG:

1384030

Comments:

Rosette Log

Maureen's Shallow Cast

CRUISE ID:

R2 9609

STATION NAME:

P20

UTC DATE y/m/d:

15/5/96

CAST NO.:

56

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		Serial #	°C / dbar
1	100		MULTI C	100	102	✓	33.385							✓				
2	100			100	101	✓	-							✓				
3	100			100	101	✓	-							✓				
4	100			100	101	✓	-							✓				
5	100			100	102	✓	-							✓				
6	75			75	75	✓	32.640							✓				
7	75			75	75	✓	646							✓				
8	75			75	75	N	637							✓				
9	75			75	75	✓								✓				
10	75			75	75	✓								✓				
11	50			75	50	✓	32.595							✓				
12	50			75	49.5	✓	32.592							✓				
13	50		OK 2nd Confir	50	50	✓								✓				
14	50			50	50	✓	32.595							✓				
15	25			NOT CLOSED	24.9	✓	32.584							✓				
16	25			50	25	✓	32.581							✓				
17	25			25	25	✓	32.583							✓				
18	10			25	10	✓	32.584							✓				
19	10			25	9.6	✓								✓				
20	10			10	10	✓								✓				
21	Surface			10	7									✓				
22	Surface			10	2									✓				
23	Surface			0	0	✓								✓				

ENTERED BY:

CHECKED BY:

Bottom Depth: 3966

Cast # down: 55

Cast # up: 56

Time LOC UTC

Begin: 2003

Bottom: 2006

End: 2012

START POSITION (GPS)

LAT: 49 34 049

LONG: 138 39 879

BOTTOM POSITION (GPS)

LAT: 49 34 052

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

only 1 left to live on surface

Rosette Log

CRUISE ID: 9609
STATION NAME: MP 20UTC DATE y/m/d: 16/5/96
CAST NO.: 58SHIP: IP 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				20	20.71	✓												
2				20	20.71	✓												
3				20	20.53	✓												
4				20	20.71	✓												
5				20	20.35	✓												
6				20	20.27	✓												
7				20	21.09	✓												
8				20	20.91	✓												
9				20	20.73	✓												
10				20	20.55	x✓												
11				20	20.55	✓												
12				20	20.37	✓												
13				20	20.91	✓												
14				20	20.73	✓												
15				20	20.73	✓												
16				20	20.91	✓												
17				20	21.09	x✓												
18				20	20.91	✓												
19				20	20.57	✓												
20				20	20.57	✓												
21				20	20.57	✓												
22				20	20.93	✓												
23				20														

ENTERED BY: HUGH
CHECKED BY:Bottom Depth: 3969Cast # down: 57Cast # up: 58

Time	LOC	UTC
Begin:		1322
Bottom:		1328
End:		1341

START POSITION (GPS)
LAT:
LONG:BOTTOM POSITION (GPS)
LAT: 49 33.60
LONG: 138 38.83END POSITION (GPS)
LAT: 49 33.66
LONG: 138 38.60

Comments:

Rosette Log

CRUISE ID:

9609

UTC DATE y/m/d:

76/5/96

STATION NAME:

MP20

CAST NO.:

61

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC	CO ₂	TCO	CI3	ALK	NUT	SAL	CHL	POC		Serial #	°C / dbar
1	135	3500	2.1	B-20	4011	N 3500.7		✓				✓	✓				2.825	
2	136	3000	2.3	3500	3500	✓ 3002.6		✓				✓	✓				2.445	
3	137	2750	2.3	3000	3000	✓ 2753.2		✓				✓	✓				2.197	
* 4	138	2500	2.4	2750 *	2750	✓ 2497.4		✓				✓	✓				1.887	2495
5	139	2250	2.5	2500	2499	✓ 2252.1		✓				✓	✓				1.613	
6	140	2000	2.7	2250	2250	✓ 2000.1		✓				✓	✓				1.338	
7	141	1750	2.7	2000	1999	✓ 1754.0		✓				✓	✓				.961	
8	142	1500	3.2	1750	1750	✓ 1502.3		✓				✓	✓				.601	
9	143	1250	3.4	1500	1499	✓ 1252.8		✓				✓	✓		✓		.368	
10	144	1000	3.8	1250	1250	✓ 1002.3		✓				✓	✓		✓		.399	
11	145	800	4.0	1000	1000	✓ 797.6		✓				✓	✓		✓		.485	
12	146	600	4.3	800	800	✓ 603.6		✓				✓	✓		✓		.717	
13	147	400	4.6	600	600	✓ 403.8	✓	✓	✓		✓	✓	✓		✓		1.503	
14	148	300	5.4.9	400	400	✓ 301.6	✓	✓	✓		✓	✓	✓		✓		2.192	
15	149	200	6.1	300	300	N 203.1	✓	✓	✓		✓	✓	✓		✓		3.185	
16	150	150	6.4	200	200	✓ 151.7	✓	✓	✓		✓	✓	✓		✓		3.452	
17	151	100	6.4	150	150	✓ 101.6	✓	✓	✓		✓	✓	✓		✓		6.163	
18	152	75	7.2	100	99	✓ 74.6	✓	✓	✓		✓	✓	✓		✓		6.941	
19	153	50	7.7	75	74.2	✓ 50.6	✓	✓	✓		✓	✓	✓		✓		6.952	
20	154	25	7.7	50	50	✓ 24.5	✓	✓	✓		✓	✓	✓		✓		6.992	
21	155	0	7.8	25	24	✓ 1.7	✓	✓	✓		✓	✓	✓		✓		6.958	
22	156			0	0	✓	✓	✓	✓	✓	✓	✓	✓		✓			
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 4000

Cast # down: 59/60

Cast # up: 61

Time LOC UTC

Begin: 1923

Bottom: 2025

End: 2142

START POSITION (GPS)

LAT: 49 33 928

LONG: 138 39 976

BOTTOM POSITION (GPS)

LAT: 49 33 753

LONG: 138 39 250

END POSITION (GPS)

LAT:

LONG:

T647 1.728

T679 1.910

Comments: Current bad on NISK #1 No confirmation very jumpy #2 Jumpy current confirmation ok

TNO confirm bottle 6

No current on 12 151 154

Pulse current on 13 confirm OK

15 NO confirm pulse current

3 left at surface

Rosette Log

CRUISE ID: 9609
STATION NAME: MP26

UTC DATE y/m/d: 96 05 19
CAST NO.: 75

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	DMS	Serial #	°C / dbar
1	157	Tim	3.5	1000	1000	✓ 1001.0		✓					✓				.483	
2	158	1212 Tim	3.8	1000	1000	✓ 1001.0		✓					✓	✓		✓	.534	
3	159	1213	4.3	400	400	✓ 400.7		✓	34.0057				✓	✓		✓	1.475	
* 4	160	1214	4.3	400 *	299	✓ 400.7		✓					✓	✓		✓	1.449	402
5	161	1215	4.5	300	250	✓ 299.8		✓					✓	✓		✓	1.987	
6	162	1231	4.6	250	199	✓ 250.5		✓					✓	✓		✓	2.410	
7	163	1216	4.9	200	173	✓ 199.2		✓					✓	✓		✓	3.047	
8	164	1217	5.0	175	150	✓ 173.8		✓					✓	✓		✓	3.488	
9	165	1218	5.2	150	125	✓ 149.8		✓					✓	✓		✓	4.209	
10	166	1219	5.4	125	99	✓ 125.0		✓					✓	✓	✓	✓	5.281	
11	167	1220	5.8	99	80	✓ 99.3		✓					✓	✓	✓	✓	6.774	
12	168	1221	6.1	80	60	✓ 78.4		✓					✓	✓	✓	✓	7.091	
13	169	1222	6.5	60	50	✓ 60.3		✓					✓	✓	✓	✓	7.123	
14	170	1223	6.5	50	40	✓ 50.3		✓					✓	✓	✓	✓	7.150	
15	171	1224	6.6	40	30	✓ 40.7		✓					✓	✓	✓	✓	7.164	
172	172			30	21	✓ 30.6		✓					✓	✓	✓	✓		
173	173	1225	6.6	20	15	✓ 21.2		✓					✓	✓	✓	✓	7.159	
174	174	1226	6.7	15	10	✓ 16.4		✓					✓	✓	✓	✓	7.135	
175	175	1228	6.7	10	5	✓ 10.2		✓					✓	✓	✓	✓	7.119	
176	176	1229	6.9	5	0	✓ 5.4		✓					✓	✓	✓	✓	7.089	
177	177	1230	7.0	0		1.2											7.126	from final point
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 4254Cast # down: 74Cast # up: 75

Time LOC UTC
Begin: 1210
Bottom: 1227
End: 1305

START POSITION (GPS)
LAT: 49 59.61
LONG: 145 00.00

BOTTOM POSITION (GPS)
LAT: 49 59.51
LONG: 145 00.02

END POSITION (GPS)
LAT: 49 59.22
LONG: 145 00.00

Bottle 4 T647 3.930
T679 3.918

Comments: ONE 1000 m row 200 m Bottle for Tim (TRAPS)

* Thermometer
21 bottles closed, #16 bottle did not close.

Rosette Log

CRUISE ID: 9609
STATION NAME: MP 26

UTC DATE y/m/d: 19/5/96
CAST NO.: 777

SHIP: J.A. 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				20	18.5	✓															
2				20	19.0	✓															
3				20	18.6	✓															
4				20	19.2	✓															
5				20	18.8	✓															
6				20	19.5	✓															
7				20	19.2	✓															
8				20	18.6	✓															
9				20	19.0	✓															
10				20	19.2	✓															
11				20	19.6	✓															
12				20	19.4	✓															
13				20	18.8	✓															
14				20	19.0	✓															
15				20	18.6	✓															
16				20	19.4	✓															
17				20	19.2	✓															
18				20	19.4	✓															
19				20	19.0	✓															
20				20	18.6	✓															
21				20	19.4	✓															
22				20	19.0	✓															
23				20	19.0	✓															

ENTERED BY: HUGRT
CHECKED BY:

Bottom Depth: 4253

Cast # down: 76
Cast # up: 77

Time	LOC	UTC
Begin:	1450	
Bottom:		
End:		

START POSITION (GPS)
LAT: 50 00.56
LONG: 145 00.11

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

01/23/97

Rosette Log

CRUISE ID: 9609
STATION NAME: MP26

UTC DATE y/m/d: 96 05 20
CAST NO.: 79

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	177	2.1	Bottom 20	4312.0		✓		✓			✓	✓					3230	
2	178	2.1	4000	3999.8		✓		✓			✓	✓					3170	
3	179	2.1	3500	3500.4		✓		✓			✓	✓					2945	
4	180	2.8	3000	3001.0		✓		✓			✓	✓					2.638	3000
5	181	2.4	2750	2754.5		✓		✓			✓	✓					2.299	
6	182	2.5	2500	2500.8		✓		✓			✓	✓					1.972	
7	183	2.7	2250	2250.2		✓		✓			✓	✓					1.680	
8	184	2.6	2000	2003.9		✓		✓			✓	✓					1.364	
9	185	2.8	1750	1750.4		✓		✓			✓	✓					.913	
10	186	3.4	1500	1500.6		✓		✓			✓	✓			✓		.652	1498
11	187	3.4	1250	1250.4		✓		✓			✓	✓			✓		.463	
12	188	3.9	1000	1000.1		✓		✓			✓	✓			✓		.482	
13	189	4.0	800	799.3		✓		✓			✓	✓			✓		.581	
14	190	4.3	600	600.4		✓		✓			✓	✓			✓		.701	
15	191		400	398.8		✓		✓			✓	✓			✓			
16	192	4.7	300	299.3		✓		✓			✓	✓			✓		2.006	
17	193	5.0	200	199.7		✓		✓			✓	✓			✓		3.042	
18	194	5.4	175	174.3		✓		✓			✓	✓					3.639	
19	195	6.0	100	99.7		✓		✓			✓	✓					6.835	
20	196	6.4	75	75.6		✓		✓			✓	✓					7.117	
21	197	6.6	50	50.1		✓		✓			✓	✓					7.196	
22	198	6.9	25	25.1		✓		✓			✓	✓					7.180	
23	199	7.5	0	0.6		✓		✓			✓	✓					7.042	

ENTERED BY:
CHECKED BY:

Bottom Depth: 4254

Cast # down: 78
Cast # up: 79

Time	LOC	UTC
Begin:		0103
Bottom:		0157
End:		0324

START POSITION (GPS)
LAT: 50 00 071
LONG: 144 59 856

BOTTOM POSITION (GPS)
LAT: 50 00.14
LONG: 144 59.78

END POSITION (GPS)
LAT: 50 00 195
LONG: 144 59 597

T 647 1.568 P 3000.
T 679 1.612

Comments:

WOCE CTD temperature sensor failure - values not valid

Rosette Log

 CRUISE ID: 9609
 STATION NAME: MP26

 UTC DATE y/m/d: 96/05/20
 CAST NO.: 111
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	DO	OXY	TCO	CI3	ALK	NUT	SAL	CHL	POC		Serial #	°C / dbar
1	200	2004	2.0	6-20	4325.8	✓		✓	✓	✓	✓	✓	✓		✓		3.252	
2	201	2007	2.2	4000	4000.5	✓	✓	✓	✓	✓	✓	✓	✓		✓		3.184	
3	202	2008	2.2	3500	3500.5	✓		✓	✓	✓	✓	✓	✓		✓		2.941	
* 4	203	2009	2.4	3000	2999.7	✓	✓	✓	✓	✓	✓	✓	✓		✓		3000	
5	204	2010	2.4	2750	2749.3	✓		✓	✓	✓	✓	✓	✓		✓		2.273	
6	205	2012	2.5	2500	2500.8	✓		✓	✓	✓	✓	✓	✓		✓		1.991	
7	206	2014	2.4	2250	2251.3	✓		✓	✓	✓	✓	✓	✓		✓		1.636	
8	207	2015	2.6	2000	1999.5	✓	✓	✓	✓	✓	✓	✓	✓		✓		1.319	
9	208	2017	2.7	1750	1749.5	✓		✓	✓	✓	✓	✓	✓		✓		.971	
* 10	209	2018	3.1	1500	*1500.2	✓	✓	✓	✓	✓	✓	✓	✓		✓		1498	
11	210	2019	3.1	1250	1250.4	✓		✓	✓	✓	✓	✓	✓		✓		.505	
12	211	2025	3.7	1000	999.7	✓	✓	✓	✓	✓	✓	✓	✓		✓		.512	
13	212	2027	3.5	800	799.0	✓		✓	✓	✓	✓	✓	✓		✓		.562	
14	213	2028	4.1	600	600.1	✓	✓	✓	✓	✓	✓	✓	✓		✓		.722	
15	214	2032	4.3	400	403.4	✓	✓	✓	✓	✓	✓	✓	✓		✓		1.395	
16	215	2033	4.7	300	302.8	✓	✓	✓	✓	✓	✓	✓	✓		✓		1.999	
17	216	2034	5.0	200	201.3	✓	✓	✓	✓	✓	✓	✓	✓		✓		3.099	
18	217	2035	5.6	150	150.6	✓	✓	✓	✓	✓	✓	✓	✓		✓		4.293	
19	218	2036	6.0	100	101.1	✓	✓	✓	✓	✓	✓	✓	✓		✓		7.040	
20	219	2038	6.4	75	75.2	✓	✓	✓	✓	✓	✓	✓	✓		✓		7.110	
21	220	2040	6.5	50	51.1	✓	✓	✓	✓	✓	✓	✓	✓		✓		7.157	
22	221	2043	6.8	25	25.0	✓	✓	✓	✓	✓	✓	✓	✓		✓		7.187	
23	222	2044	7.7	0	0.4	✓	✓	✓	✓	✓	✓	✓	✓		✓		7.020	

Bottom Depth: Cast # down: 110Cast # up: 111

Time	LOC	UTC
Begin:		1731
Bottom:		1835
End:		2005

START POSITION (GPS)	
LAT:	49 59.71
LONG:	144 59.79

BOTTOM POSITION (GPS)	
LAT:	49 59.96
LONG:	144 59.99

END POSITION (GPS)	
LAT:	50 00.57
LONG:	145 00.32

 1.567 T 647
 1.613 T 679

Comments:

* Thermometers + Pressure sensor Both 4 + 10 did not close

Rosette Log

CRUISE ID:

9609

UTC DATE y/m/d:

96/05/21

SHIP:

TULLY

STATION NAME:

MP26

CAST NO.:

113

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	223		4.2	400	402.2	✓		✓				✓	✓		✓	✓	?	
2	224		4.4	300	299.7	✓		✓				✓	✓			✓	2.011	
3	225		4.6	250	250.5	✓		✓				✓	✓			✓	2.564	
4	226		4.8	200	200.4	✓		✓				✓	✓			✓	3.113	202
5	227		5.0	175	174.4	✓		✓				✓	✓			✓	3.522	
6	228		5.2	150	149.4	✓		✓				✓	✓			✓	4.349	
7	229		5.5	125	124.0	✓		✓				✓	✓			✓	5.676	
8	230		5.9	100	101.0	✓		✓				✓	✓	✓		✓	6.949	
9	231		6.3	80	81.3	✓		✓				✓	✓	✓		✓	7.062	
10	232		6.5	60	61.5	✓		✓				✓	✓	✓		✓	7.123	6.3
11	233		6.6	50	49.7	✓		✓				✓	✓	✓		✓	7.150	
12	234		6.7	40	40.5	✓		✓				✓	✓	✓		✓	7.179	
13	235		6.7	30	27.9	✓		✓				✓	✓	✓		✓	7.159	
14	236		6.7	20	20.2	✓		✓				✓	✓	✓		✓	7.160	
15	237		6.8	15	15.6	✓		✓				✓	✓	✓		✓	7.163	
16	238		7.1	10	10.5	✓		✓				✓	✓	✓		✓	7.114	
17	239		7.7	5	4.8	✓		✓				✓	✓	✓		✓	7.022	
18	240		7.9	0	1.4	✓		✓				✓	✓	✓		✓	7.004	
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 4253.

Cast # down: 112

Cast # up: 113

Time LOC UTC

Begin: 0403

Bottom: 0410

End: 0433

START POSITION (GPS)

LAT: 49 59.99

LONG: 144 59.92

BOTTOM POSITION (GPS)

LAT: 49 59.96

LONG: 144 59.97

END POSITION (GPS)

LAT: 49 59.88

LONG: 144 59.88

T 647 4.561

T 679 4.548

Comments:

transmissometer failure

Rosette Log

CRUISE ID:

9609

UTC DATE y/m/d:

96 05 21

SHIP:

TULLY

STATION NAME:

P26

CAST NO.:

115

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				2000m	2001	✓												
2				2000	2002	✓												
3				2000	2002	✓												
4				2000	2002	✓							T679		1.922			2003
5				2000	2003	✓									1.934			
6				2000	2003	✓												
7				1000	997	✓												
8				1000	997	✓												
9				1000	998	✓												
10				1000	999	✓												997
11				1000	997	✓												
12				1000	998	✓												
13				500	499	✓												
14				500	498	✓												
15				500	497	✓												
16				500	498	✓												
17				500	498	✓												
18				500	498	✓												
19				250	250	✓												
20				250	251	✓												
21				250	250	✓												
22				250	251	✓												
23				250m	251	✓												

ENTERED BY:

CHECKED BY:

Bottom Depth: 4235

Cast # down: 114

Cast # up: 115

Time LOC UTC

Begin: 0805

Bottom: 0833

End: 0915

START POSITION (GPS)

LAT: 50 01 153

LONG: 144 58 106

BOTTOM POSITION (GPS)

LAT: 50 01 66

LONG: 144 57 84

END POSITION (GPS)

LAT: 50 00 064

LONG: 145 00 172

Comments:

Rosette Log

CRUISE ID: 9609
STATION NAME: MP 26UTC DATE y/m/d: 22/5/96
CAST NO.: 117SHIP: 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	241			3000	3000.1	✓		✓					✓					
2	242			950	954.4	✓		✓					✓					
3	243			850	851.7	✓		✓					✓					
4	244			750	750.2	✓		✓					✓					
5	245			554	555.2	✓		✓					✓					
6	246			382	383.9	✓		✓					✓					
7	247			334	334.6	✓		✓					✓					
8	248			184	184.4	✓		✓					✓					
9	249			135	135.0	✓		✓					✓					
10	250			86	86.4	✓		✓					✓					
11	251			61	63.1	✓		✓					✓					
12	252			36	36.8	✓		✓					✓					
13	253			36	37.2	✓		✓					✓					
14	254			36	37.1	✓		✓					✓					
15	255			36	37.2	✓		✓					✓					
16	256			12	12.7	✓		✓					✓					
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 4253Cast # down: 116Cast # up: 117

Time LOC UTC

Begin: 0239Bottom: 0325End: 0425

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 59.41LONG: 145 00.53

END POSITION (GPS)

LAT:

LONG:

Comments: transmissometer malfunction on upcast at 280m

Rosette Log

CRUISE ID:

9609

UTC DATE y/m/d:

22/5/96

SHIP:

STATION NAME:

MP26

CAST NO.:

151

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		5.8	400	402.6	✓		✓				✓	✓			✓	1374	
2	258		5.5	300	300.1	✓		✓				✓	✓			✓	2083	
3	259		5.6	250	252.6	✓		✓				✓	✓			✓	2542	
* 4	260		5.1	200	203.2	✓		✓				✓	✓			✓	3169	202
5	261		5.9	175	176.0	✓		✓				✓	✓			✓	3504	
6	262		5.7	150	148.7	✓		✓				✓	✓			✓	4214	
7	263		5.6	125	124.4	✓		✓				✓	✓			✓	5117	
8	264		6.4	100	99.2	✓		✓				✓	✓	✓		✓	6752	
9	265		6.4	80	80.8	✓		✓				✓	✓	✓		✓	7091	
* 10	266		7.0	60	61.2	✓		✓				✓	✓	✓		✓	7152	60
11	267		6.9	50	50.8	✓		✓				✓	✓	✓		✓	7222	
12	268		6.8	40	41.5	✓		✓				✓	✓	✓		✓	7217	
13	269	No SAMPLE		30	31.6	✓		✓				✓	✓	✓		✓		
14	270		7.4	20	20.8	✓		✓				✓	✓	✓		✓	7205	
15	271		7.4	15	16.2	✓		✓				✓	✓	✓		✓	7162	
16	272		7.9	10	10.8	✓		✓				✓	✓	✓		✓	7113	
17	273		8.1	5	5.9	✓		✓				✓	✓	✓		✓	7072	
18	274		8.0	0	.6	✓		✓				✓	✓	✓		✓	7064	
19				5		✓												
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 150

Cast # up: 151/152

Time LOC UTC

Begin: 1939

Bottom: 1944

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 59.84

LONG: 144 59.90

END POSITION (GPS)

LAT:

LONG:

4613 7647

4616 7679

380 metre

Comments:

* Therm racks

Power failure UPS Kicked in

Maureen's Shallow Cast

Rosette Log

CRUISE ID: 9609
STATION NAME: P26

UTC DATE y/m/d: 22/5/96
CAST NO.: 154

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				100m	100	✓												
2				100	100	✓												
3				100	100	X✓												
4				100	100	✓												
5				100	100	✓												
6				75	75	✓												
7				75	75	✓												
8				75	75	✓												
9				75	75	✓												
10				75	75	✓												
11				50	49	✓												
12				50	49	X												
13				50	49	✓												
14				50	49	X												
15				25	25	✓												
16				25	25	✓												
17				25	25	✓												
18				10 m	10	✓												
19				10 m	10	X												
20				10 m	10	X												
21				Surface	0.5	✓												
22				Surface	0.5	X												
23				Surface	0.5	✓												

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 153
Cast # up: 154

Time	LOC	UTC
Begin:		2235
Bottom:		2237
End:		2253

START POSITION (GPS)
LAT: 50 00.43
LONG: 144 59.16

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9609
STATION NAME:

UTC DATE y/m/d: 23/5/96
CAST NO.: 156

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				2000		✓												
2				2000		✓												
3				2000		✓												
4				2000		✓												
5				1		✓												
6						✓												
7						✓												
8						✓												
9						✓												
10						✓												
11						✓												
12						✓												
13						✓												
14						✓												
15						✓												
16						✓												
17						✓												
18						✓												
19						✓												
20						✓												
21						✓												
22						✓												
23				2000		✓												

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 155
Cast # up: 156

Time LOC UTC
Begin:
Bottom:
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID:
STATION NAME:

UTC DATE y/m/d: 23/5/96
CAST NO.: 158

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						✓												
2						✓												
3						✓												
4						✓												
5						✓												
6						✓												
7	✓																	
8	✓																	
9	✓																	
10	✓																	
11	✓																	
12	✓																	
13	✓																	
14	✓																	
15	✗																	
16	✓																	
17	✗																	
18	✓																	
19	✓																	
20	✗																	
21	✗																	
22	✓																	
23	✓																	

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 157
Cast # up: 158

Time LOC UTC
Begin:
Bottom:
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Maureen's Shallow Cast

Rosette Log

CRUISE ID:

9609

UTC DATE y/m/d:

26/5/96

SHIP: J. P. TULLY

STATION NAME:

P12

CAST NO.:

166

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				100	100	✓												
2				100	99	✓												
3				100	100	✓												
*4				100	100	✓												101.
5				100	100	✓												
6				75	74	✓												
7				75	75	✓												
8				75	74	✓												
9				75	75	✓												
*10				50 75	74	✓												76.
11				50	50	✓												
12				50	50	✓												
13				50	50	✓												
14				25 50	49	✓												
15				25	25	✓												
16				25	25	✓												
17				25	25	✓												
18				10 25	25	✓												
19				10	10	✓												
20				10	10	✓												
21				Surface 10	10	✓												
22				Surface	0.5	✓												
23				Surface	0.5	✓												

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 165

Cast # up: 166

Time LOC UTC

Begin: 0225

Bottom: 0227

End: 0246

START POSITION (GPS)

LAT: 48 58.17

LONG: 13040.14

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

T647 7.305

T679 7.296

Comments:

Rosette Log

CRUISE ID:

9609

UTC DATE y/m/d:

26/5/96

STATION NAME:

MP12

CAST NO.:

168

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	275	1180	4.9	400	398.9	✓ 33.9853	✓				✓	✓			✓	✓	1.569	
2	276	1181	5.6	300	299.9	✓ 33.9095	✓				✓	✓			✓		2.494	
3	277	1182	6.3	250	248.6	✓ 33.8911	✓				✓	✓			✓	✓	3.042	
4	278	1183	6.7	200	199.6	✓ 33.9112	✓				✓	✓			✓		3.557	201
5	279	1184	7.1	175	174.3	✓ 33.8926	✓				✓	✓			✓	✓	3.850	
6	280	1186	7.3	150	150.8	✓ 33.8479	✓				✓	✓			✓		4.095	
7	281	1187	7.5	125	126.1	✓ 33.6178	✓				✓	✓			✓	✓	4.543	
8	282	1188	7.9	100	99.2	✓ 33.1756	✓				✓	✓	✓		✓		5.129	
9	283	1189	8.4	80	78.7	✓ 32.7252	✓				✓	✓	✓		✓	✓	6.310	
10	284	1190	9.0	60	63.0	✓ 32.5440	✓				✓	✓	✓		✓	✓	6.852	64.
11	285	1191	9.2	50	52.0	✓ 32.5387	✓				✓	✓	✓		✓	✓	6.849	
12	286	1192	9.4	40	41.2	✓ 32.5346	✓				✓	✓	✓		✓		6.903	
13	287	1193	9.9	30	27.6	✓ 32.5278	✓				✓	✓	✓		✓	✓	6.795	
14	288	1194	10.2	20	21.7	✓ 32.5252	✓				✓	✓	✓		✓		6.760	
15	289	1195	10.1	15	14.7	✓ 32.5298	✓				✓	✓	✓		✓	✓	6.739	
16	290	1196	10.1	10	11.0	✓ 32.5287	✓				✓	✓	✓		✓		6.738	
17	291	1197	10.0	5	5.4	✓ 32.5257	✓				✓	✓	✓		✓	✓	6.740	
18	292	1198	10.2	0	.6	✓ 32.5248	✓				✓	✓	✓		✓		6.738	
19																		
20																		
21																		
22																		
23																		

ENTERED BY: B.M.

CHECKED BY:

Bottom Depth: 3238.

Cast # down: 167

Cast # up: 168

Time LOC UTC

Begin:

Bottom: 1747

End: 1810

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 58.15

LONG: 130 39.80

END POSITION (GPS)

LAT: 48 58.15

LONG: 130 39.84

Comments:

Rosette Log

CRUISE ID:

9609

UTC DATE y/m/d:

26/5/96

SHIP:

TULLY

STATION NAME:

MP12

CAST NO.:

170

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	DO	CO ₂	TCO	C13	ALK	NUT	SAL	CHL	POC	018	Serial #	°C / dbar
1	293	1211	3.2	Bottom 20	32010	✓	34.6673	✓				✓	✓			✓	2342	
2	294	1212	3.3	3000	30009	✓	34.6645	✓				✓	✓			✓	2307	
3	295	1213	3.4	2750	27506	✓	34.6568	✓				✓	✓			✓	2192	
* 4	296	1214	3.6	2500	25024	✓	34.6426	✓				✓	✓			✓	1963	2500
5	297	1215	3.6	2250	22514	✓	34.6251	✓				✓	✓			✓	1694	
6	298	1216	3.9	2000	20018	✓	34.600	✓				✓	✓			✓	1412	
7	299	1217	3.6	1750	17492	✓	34.568	✓				✓	✓			✓	1097	
8	300	1218	4.2	1500	14988	✓	34.521	✓				✓	✓			✓	736	
9	301	EMPTY		1250	12492	✓	34.492	✓				✓	✓			✓	468	
* 10	302	1220	4.8	1000	10016	✓	34.3927	✓				✓	✓			✓	322	1000
11	303			800	801	✓	34.322	✓				✓	✓			✓		
12	304	open	*	600	598	✓	34.282	✓	✓	✓		✓	✓	✓		✓		
13	305			400	401	✓		✓	✓	✓		✓	✓	✓		✓		
14	306		*	300	301	✓		✓	✓	✓		✓	✓	✓		✓		
15	307		*	200	199	✓		✓	✓	✓		✓	✓	✓		✓		
16	308		*	150	149	✓		✓	✓	✓		✓	✓	✓		✓		
17	309	open		100	99	✓		✓	✓	✓		✓	✓	✓		✓		
18	310			75	75	✓		✓	✓	✓		✓	✓	✓		✓		
19	311			50	50	✓		✓	✓	✓		✓	✓	✓		✓		
20	312			25	25	✓		✓	✓	✓		✓	✓	✓		✓		
21	313			0	0	✓		✓	✓	✓	✓	✓	✓	✓		✓		
22																		
23																		

Comments:

bottles 9, 12 and 17 did not close - Rosette nylon did not release lanyards

ENTERED BY:

CHECKED BY:

Bottom Depth: 3235

Cast # down: 169

Cast # up: 170

Time	LOC	UTC
Begin:		2151
Bottom:		2233
End:		2352

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 58.31

LONG: 130 40.05

END POSITION (GPS)

LAT:

LONG:

Rosette Log

CRUISE ID: 9609
STATION NAME: MP 12UTC DATE y/m/d: 27/5/96
CAST NO.: 174SHIP: J. P. TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION			Samples taken										Temperature or Pressure		
					Trip pressure	Confirmed Salinity	etc	TCO	ALK	SAL	POC	CHL	018	Serial #	°C / dbar					
1	301	1219	3.4	1250	1254.0	✓	34.482		✓					✓					.468	
2	302a			1000	1000.5	✓	34.408		✓					✓						
3	303	1221	4.2	800	799.9	✓	34.321		✓					✓					.309	
*4	304	1222	4.6	600	599.9	✓	34.195	✓	✓	✓		✓	✓	✓		✓			481	
5	305	1223	4.8	400	399.7	✓	34.001	↓	↓	↓		↓	↓	↓		↓			1406	
6	306	1224	5.4	300	299.7	✓	33.905	↓	↓	↓		↓	↓	↓		↓			2.442	
7	307	1225	6.4	200	200.9	✓	33.879	↓	↓	↓		↓	↓	↓		↓			3498	
8	308	1226	7.0	150	150.0	✓	33.815	↓	↓	↓		↓	↓	↓		↓			4080	
9	309	1228	7.7	100	100.8	✓	33.096	↓	↓	↓		↓	↓	↓		↓			5.744	
*10	310	1229	8.6	75	74.3	✓	32.531	↓	↓	↓		↓	↓	↓		↓			6.723	
11	311	1230	9.0	50	50.7	✓	32.538	↓	↓	↓		↓	↓	↓		↓			6.920	
12	312	1231	9.6	25	25.1	✓	32.493	↓	↓	↓		↓	↓	↓		↓			6.179	
13	313	1232	9.7	0	0.7	✓	32.525	✓	✓	✓	✓	✓	✓	✓		✓			6.736	
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 173Cast # up: 174

Time	LOC	UTC
Begin:		0159
Bottom:		0217
End:		0247

START POSITION (GPS)	
LAT:	48 58.49
LONG:	130 40.49

BOTTOM POSITION (GPS)	
LAT:	48 58.51
LONG:	130 40.57

END POSITION (GPS)	
LAT:	48 58.60
LONG:	130 40.67

Comments:

TRANS ZONE STATION

Rosette Log

CRUISE ID:

9609

UTC DATE y/m/d:

27/5/96

SHIP:

TULLY

STATION NAME:

NEWS (P10)

CAST NO.:

176

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	314			100	100	✓						✓	✓	✓				
2	315			75	76	✓						✓	✓	✓				
3	316			50	50	✓						✓	✓	✓				
4	317		NO SAMPLE	25	25	✓							✓	✓	✓			
5	318			10	10	✓							✓	✓	✓			
6	319			0	1	✓							✓	✓	✓			
7	320			?														
8	321			?														
9																		
10																		
11																		
12																		
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16																		
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18																		
19																		
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21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 175

Cast # up: 176

Time LOC UTC

Begin: 1345

Bottom: 1349

End: 1359

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

* EIGHT BOTTLES TRIPPED - SAMPLED ALL
digital thermometer and pressure sensor not set. Bottle 4 lanyard hung up

Rosette Log

CRUISE ID: 9609
STATION NAME: TRANSITION #2

UTC DATE y/m/d: 96 05 27
CAST NO.: 178

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	322			100	102	✓							✓	✓	✓			
2	323			75	74	✓							✓	✓	✓			
3	324			50	50	✓							✓	✓	✓			
4	325			25	25	✓							✓	✓	✓			50dbm
5	326			10	10	✓							✓	✓	✓			
6	327			0	0	✓							✓	✓	✓			
7	328			0	0	✓							✓	✓	✓			
8																		
9																		
10																		
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21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 2419

Cast # down: 177

Cast # up: 178

Time	LOC	UTC
Begin:		1857
Bottom:		1903
End:		1916

START POSITION (GPS)
LAT: 49 32 652
LONG: 129 39 755

BOTTOM POSITION (GPS)
LAT: 49 32 659
LONG: 129 39 851

END POSITION (GPS)
LAT: 49 32 75
LONG: 129 40 01

Comments: Two no currents for first bottle Rs 232 connector loose.

TRANSITION ZONE 3

Rosette Log

CRUISE ID: 9609
STATION NAME:UTC DATE y/m/d: 96/05/27
CAST NO.: 180

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	OPC DON	CO ₂	TCO	CI3	ALK	NUT	SAL	CHL	POC	DMS	Serial #	°C / dbar
1	329			100	101	✓	✓					✓	✓	✓		✓		
2	330			75	75	✓	✓					✓	✓	✓		✓		
3	331			50	51	✓	✓					✓	✓	✓		✓		
4	332			25	25	✓	✓					✓	✓	✓		✓		23m
5	333			10	10	✓	✓					✓	✓	✓		✓		
6	334			0	0	✓	✓					✓	✓	✓		✓		
7																		
8																		
9																		
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21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 179

Cast # up: 180

Time LOC UTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

Cleaned CTD lead to Rosette All currents ok
No problems

Bottle 4 hung up on the plastic blocks

Rosette Log

CRUISE ID: 9609
STATION NAME: T204

UTC DATE y/m/d: 960527
CAST NO.: 12182

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	DMS	Serial #	°C / dbar
1	335	335		100	100	✓						✓	✓	✓		✓		
2	336	336		75	74	✓						✓	✓	✓		✓		
3	337	337		50	48	✓						✓	✓	✓		✓		
*4		338		25	24	✓						✓	✓	✓		✓	24	10.69
5	338	339		25	24	✓						✓	✓	✓		✓		
6	339	340		10	11	✓						✓	✓	✓		✓		
7	340	341		10	11	✓												
8		342		0	1	✓												
9																		
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21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 181
Cast # up: 182

Time LOC UTC
Begin:
Bottom:
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: 8 Bottles closed 6 samples taken why only six.

Rosette Log

CRUISE ID: 9609
STATION NAME: TZ 05

UTC DATE y/m/d: 28/5/96
CAST NO.: 184

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	OXY	TCO	C13	ALK	NUT	SAL	CHL	POC		Serial #	°C / dbar
1	341			100		✓						✓	✓	✓				
2	342			75		✓						✓	✓	✓				
3	343			50		✓						✓	✓	✓				
4	344			25 *		✓						✓	✓	✓				
5	345			10		✓						✓	✓	✓				
6	346			0		✓						✓	✓	✓				
7																		
8																		
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23																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 103
Cast # up: 104

Time	LOC	UTC
Begin:		0555
Bottom:		0559
End:		0610

START POSITION (GPS)
LAT: 48 11.79
LONG: 129 24.32

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: Bottle 6 closed when Rosette out of water. Pressure compensation latched up before I was ready.

Rosette Log

CRUISE ID: 9609
STATION NAME: TZ 06

UTC DATE y/m/d: 96/5/28
CAST NO.: 186

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	346			100	99	✓						✓	✓	✓				
2	347			75	76	✓						✓	✓	✓				
3	348			50	50	✓						✓	✓	✓				
4	349			25	25	✓						✓	✓	✓				
5	350			10	10	✓						✓	✓	✓				
6	351			0	0	✓						✓	✓	✓				
7																		
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23																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 185
Cast # up: 186

Time	LOC	UTC
Begin:		0728
Bottom:		0734
End:		0742

START POSITION (GPS)
LAT: 48 10 61
LONG: 129 9 33

BOTTOM POSITION (GPS)
LAT: 48 10 517
LONG: 129 09 317

END POSITION (GPS)
LAT: 48 10 528
LONG: 129 09 225

Comments:

ALL OK GOOD SAMPLES

Rosette Log

CRUISE ID: 9609
STATION NAME:

UTC DATE y/m/d: 96/5/28
CAST NO.: 188

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	352			100	100	✓						✓	✓	✓				
2	353			75	75	✓						✓	✓	✓				
3	354			50	50	✓						✓	✓	✓				
4	355			25	26	✓						✓	✓	✓			9.934	26m
5	356			10	11	✓						✓	✓	✓				
6	357			0								✓	✓	✓				
7																		
8																		
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23																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 187
Cast # up: 188

Time	LOC	UTC
Begin:		1341
Bottom:		1345
End:		1356

START POSITION (GPS)
LAT: 48 51 30
LONG: 129 09.88

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9609
STATION NAME: T208UTC DATE y/m/d: 96 05 28
CAST NO.: 190SHIP: 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	358			100	102	✓							✓	✓	✓			
2	359			75	76	✓							✓	✓	✓			
3	360			50	50	✓							✓	✓	✓			
4	361			25	26	✓							✓	✓	✓			27
5	362	362		10	9	✓							✓	✓	✓			
6	362A	363		10	Extra	Bottle							✓	✓	✓			
7	363	364		0	0	✓												
8																		
9																		
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ENTERED BY:
CHECKED BY:Bottom Depth: 2395Cast # down: 189Cast # up: 190

Time	LOC	UTC
Begin:		1929
Bottom:		1935
End:		1944

START POSITION (GPS)		
LAT:	49	30 156
LONG:	129	09 264

BOTTOM POSITION (GPS)		
LAT:	49	30 21
LONG:	129	09 33

END POSITION (GPS)		
LAT:	129	09 34
LONG:	129	09 57

Comments:

Extra bottle at 10 m

Rosette Log

CRUISE ID: 9609
STATION NAME: T209UTC DATE y/m/d: 960428
CAST NO.: 1192SHIP: 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	364			100	100	✓												
2	365			75	75	✓												
3	366			50	50	✓												
4	367			25	25	✓												
5	368			10	10	✓												
6	369			0	0	✓												
7																		
8																		
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23																		

ENTERED BY:
CHECKED BY:Bottom Depth: 2369Cast # down: 191Cast # up: 192

Time	LOC	UTC
Begin:		<u>2110</u>
Bottom:		
End:		<u>2124</u>

START POSITION (GPS)		
LAT:	<u>49</u>	<u>28 665</u>
LONG:	<u>128</u>	<u>52 859</u>

BOTTOM POSITION (GPS)		
LAT:		
LONG:		

END POSITION (GPS)		
LAT:		
LONG:		

Comments:

Power fail at surface (later traced to a poor connection extension lead).

Transmissometer cleaned A12 = 87.35%

Rosette Log

CRUISE ID: TZ10 9609
STATION NAME:

UTC DATE y/m/d: 96/5/29
CAST NO.: 194.

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	370			100	101	✓						✓	✓	✓				
2	371			75	76	✓						✓	✓	✓				
3	372			50	52	✓						✓	✓	✓				
4	373			25	25	✓						✓	✓	✓				
5	374			10	10	✓						✓	✓	✓				
6	375			0	1	✓						✓	✓	✓				
7																		
8																		
9																		
10																		
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ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 193
Cast # up: 194

Time LOC UTC
Begin: 0200
Bottom:
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9609
STATION NAME: MP4UTC DATE y/m/d: 96 05 29
CAST NO.: 198SHIP: 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	376			400	400	✓										✓		
2	377			300	300	✓												
3	378			250	250	✓	No current	First time								✓		
4	379	*		200	201	✓												195M
5	380			175	178	✓										✓		
6	381			150	151	✓												
7	382			125	125	✓										✓		
8	383			100	100	✓										✓		
9	384			80	80	✓			NOT CLOSED							✓		
10	385	*		60	62	✓										✓		65M
11	386			50	50	✓										✓		
12	387			40	40	✓	No current											
13	388			30	30	✓										✓		
14	389			20	20	✓												
15	390			15	15	✓			NOT CLOSED							✓		
16	391			10	10	✓												
17	392			5	5	✓			NOT CLOSED							✓		
18	393			0	0	✓												
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 195Cast # up: 196

Time LOC UTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

BIO SAMPLE