

Rosette Log

CRUISE ID: 9711
STATION NAME: S3UTC DATE y/m/d: 97/06/03
CAST NO.: 2

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC	OXY	TCO	C13	ALK	NUT	SAL	CHL	POC		Serial #	°C / bar
1	1	1008	9.4		213.4	31.2991		✓				✓	✓					0.0
2	2	1010	9.4		199.6	31.2953		✓				✓	✓					0.0
3	3		9.4		173.9	31.2827		✓				✓	✓					.029
4	4		9.4		150.5	31.2644		✓				✓	✓					.030
5	5		9.2		124.7	31.0562		✓				✓	✓					.094
6	6		8.6		99.0	30.6303		✓				✓	✓					.616
7	7		8.3		79.7	30.3293		✓				✓	✓					2.546
8	8		8.5		59.7	29.9228		✓				✓	✓				X	4.281
9	9		8.4		49.1	29.6447		✓				✓	✓					4.456
10	10		8.6		40.2	29.4812		✓				✓	✓					4.638
11	11		8.2		29.4	29.1686		✓				✓	✓					4.814
12	12		8.9		19.5	29.1126		✓				✓	✓					5.330
13	13		9.1		14.6	28.9369		✓				✓	✓					5.846
14	14		9.5		9.5	28.7298		✓				✓	✓					6.005
15	15		10.2		5.0	28.4755		✓				✓	✓					7.009
16	16		10.9		1.2	28.3145		✓				✓	✓					
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 1Cast # up: 2

Time	LOC	UTC
Begin:		2301
Bottom:		2307:00
End:		2321

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 35.64LONG: 123 30.16

END POSITION (GPS)

LAT:

LONG:

Comments: Flask 1008, sample #1 stopped chipped, #8 air bubble #16 no oxygen sample taken

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

97/06/05

SHIP:

STATION NAME:

P4

CAST NO.:

10

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	POX	Serial #	°C / dbar
1	17		3.1	1300	1318.5	✓ 34.4705		✓				✓				✓		389
2	18		3.3	1200	1200.2	✓ 34.4486												322
3	19		3.7	1000	1000.8	✓ 34.3960			✓	✓	✓							235
4	20		4.2	800	803.0	✓ 34.2953											x	329
5	21		4.8	600	599.8	✓ 34.1700										✓		515
6	22		5.6	400	399.7	✓ 34.0475												1233
7	23		6.0	300	300.4	✓ 33.9794												2045
8	24		6.9	200	202.1	✓ 33.9301												2473
9	25		7.4	150	148.9	✓ 33.8398												2633
10	26		8.1	100	98.6	✓ 33.3236												3705
11	27		8.2	75	78.4	✓ 32.8900												4474
12	28		8.6	50	48.2	✓ 32.3448												4683
13	29		11.2	125	24.0	✓ 31.8002												6035
14	30		13.5	100	1.1	✓ 31.4868		✓	✓	✓	✓	✓	✓			✓	✓	6468
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

Comments:

Rosette touched bottom too an bubble

ENTERED BY:

CHECKED BY:

Bottom Depth: 1305

Cast # down: 9

Cast # up: 10

Time LOC UTC

Begin:

Bottom: 0218

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 39.46

LONG: 126 38.46

END POSITION (GPS)

LAT:

LONG:

Rosette Log

CRUISE ID: 9711
STATION NAME: P4

UTC DATE y/m/d: 97/06/05
CAST NO.: 12

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC	OXY	TCO	C13	ALK	NUT	SAL	CHL	POC		Serial #	°C / dbar
1	150m				149.0	✓												
2	150				151.0	✓												
3	150				150.3	✓												
4	150				150.8	✓												
5	125				124.6	✓												
6	125				125.2	✓												
7	125				124.8	✓												
8	125				124.0	✓												
9	100				100.0	✓												
10	100				100.4	✓												
11	100				99.9	✓												
12	75				76.0	✓												
13	75				76.5	✓												
14	75				75.9	✓												
15	50				49.9	✓												
16	50				50.2	✓												
17	50				50.0	✓												
18	25				25.4	✓												
19	25				25.0	✓												
20	25				25.4	✓												
21	10 m				10.0	✓												
22	10 m				10.3	✓												
23	surface				2.1	✓												

ENTERED BY:
CHECKED BY:

Bottom Depth: 1326

Cast # down: 11
Cast # up: 12

Time	LOC	UTC
Begin:		1749
Bottom:		1753
End:		1808

START POSITION (GPS)
LAT: 48 39 00
LONG: 126 40 07

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Waven.

Comments: 24/ surface 2.2 ✓

Rosette Log

CRUISE ID:

9211

UTC DATE y/m/d:

97/06/05

SHIP:

STATION NAME:

P4

CAST NO.:

14

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure		
					Trip pressure	Confirmed Salinity	CHL	DMS	OXY	TCO	DT3	ALK	NH4	NUT	SAL	CHL	DOC	Serial #	°C / dbar
1	31		5.6	400	398.2	✓34.0639	✓	✓				✓	✓	✓					1.162
2	32		6.0	300	300.6	✓33.9886						✓	✓	✓					1.870
3	33		6.3	250	249.4	✓33.9565						✓	✓	✓					2.283
4	34		6.8	200	200.9	✓33.9395						✓	✓	✓					2.397
5	35		7.1	175	173.7	✓33.9020						✓	✓	✓					2.507
6	36		7.3	150	151.0	✓33.8626						✓	✓	✓					2.546
7	37		7.6	125	125.3	✓33.7490						✓	✓	✓					2.766
8	38		7.9	100	101.8	✓33.5473						✓	✓	✓			✓		3.260
9	39		8.1	80	80.2	✓33.2455						✓	✓	✓					3.818
10	40		8.2	60	59.7	✓32.7010						✓	✓	✓					4.394
11	41		8.3	50	50.2	✓32.4819						✓	✓	✓					4.116
12	42		8.5	40	40.3	✓32.2707						✓	✓	✓					4.062
13	43		9.5	30	30.2	✓31.9561						✓	✓	✓					4.954
14	44		12.0	20	20.1	✓31.9978						✓	✓	✓					6.796
15	45		12.9	15	14.9	✓31.5562						✓	✓	✓					6.644
16	46		13.1	10	9.9	✓31.4351						✓	✓	✓					6.656
17	47		13.3	5	5.3	✓31.1553	✓	✓				✓	✓	✓	✓	✓			6.622
18	48		13.5	0	2.4	✓31.0196	✓	✓				✓	✓	✓	✓	✓			6.592
19																			
20																			
21																			
22																			
23																			

ENTERED BY:

CHECKED BY:

Bottom Depth: / 330

Cast # down: 13

Cast # up: 14

Time LOC UTC

Begin:

Bottom: 19'46

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 38.85

LONG: 126 39.85

END POSITION (GPS)

LAT:

LONG:

Comments:

Rosette Log

CRUISE ID:

STATION NAME:

9711
P4

UTC DATE y/m/d:

CAST NO.:

97/06/06
16

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	OXY	TCO	C13	ALK	NUT	SAL	CHL	POC		Serial #	°C / dbar
1				300		✓												
2				300		✓												
3				150		✓												
4				150		✓												
5				75		✓												
6				75		✓												
7				50		✓												
8				50		✓												
9				25		✓												
10				25		✓												
11				10		✓												
12				10		✓												
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

Bottom Depth: 1303

Cast # down: 15

Cast # up: 16

Time LOC UTC

Begin:

Bottom: 0106

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 39.17

LONG: 126 40.28

END POSITION (GPS)

LAT:

LONG:

Duncan,

Comments:

Rosette Log

CRUISE ID: 9711
STATION NAME: HP12

UTC DATE y/m/d: 97/06/08
CAST NO.: 32

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC	OXY	TCO	CI3	ALK	NUT	SAL	CHL	POC		Serial #	°C / dbar
1				300	301.5	✓												
2				300	301.8	✓												
3				150	150.6	✓												
4				150	152.7	✓												
5				75	73.5	✓												
6				75	76.8	✓												
7				50	52.9	✓												
8				50	51.6	✓												
9				25	24.6	✓												
10				25	23.5	✓												
11				10	11.8	✓												
12				10	10.1	✓												
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 31
Cast # up: 32

Time	LOC	UTC
Begin:		02:13
Bottom:		02:23
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 48 58.21
LONG: 130 40.55

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

97 06 08

SHIP:

Tolly

STATION NAME:

MPI2

CAST NO.:

34

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TEO		ALK		SAL		POC		Serial #	°C / dbar
							Alk	OXY	DOC	Cl3	NUT	CHL						
1	49		1.7	8-10	3279.9	✓34.6689												2.307
2	50		1.7	2750	2750.1	✓34.6568												2.064
3	51		1.7	2500	2492.5	✓34.6464												1.896
4	52		1.8	2250	2250.3	✓34.6277												1.613
5	53		1.9	2000	1993.9	✓34.6064												1.361
6	54		2.1	1750	1749.9	✓34.5768												1.012
7	55		2.4	1500	1499.9	✓34.5256	x									x		.596
8	56		2.7	1250	1249.1	✓34.4707												.339
9	57		3.3	1000	1001.4	✓34.3839				x	✓				x			.263
10	58		3.7	800	798.9	✓34.2791												.293
11	59		4.1	600	599.3	✓34.1537			x									.532
12	60		4.6	400	400.5	✓33.9728												1.584
13	61		5.3	300	300.2	✓33.9179												2.537
14	62		6.9	200	200.8	✓33.9220												3.835
15	63		7.2	150	148.4	✓33.5608												4.665
16	64		7.8	100	100.2	✓32.6818												6.520
17	65		8.4	75	74.5	✓32.6160												6.748
18	66		9.5	50	49.3	✓32.5614												6.911
* 19	67		11.9	25	24.9	✓32.5007												
20	68		11.9	0	3.0	32.5030	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	6.389
21																		
22																		
23																		

Comments:

Bottle #19 did not close.

ENTERED BY:

CHECKED BY:

Bottom Depth: 3224

Cast # down: 33

Cast # up: 34

Time LOC UTC

Begin: 0941

Bottom: 1042

End: 1157

START POSITION (GPS)

LAT: 48 58.25

LONG: 130 39.87

BOTTOM POSITION (GPS)

LAT: 48 58.49

LONG: 130 39.77

END POSITION (GPS)

LAT:

LONG:

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

97/06/08

SHIP:

STATION NAME:

P12

CAST NO.:

36

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	200			200		✓												
2	200			200		✓												
3	200			200		✓												
4	175			175		✓												
5	175			175		✓												
6	175			175		✓												
7	125			125		✓												
8	125			125		✓												
9	125			125		✓												
10	100			100		✓												
11	100			100		✓												
12	100			100		✓												
13	75			75		✓												
14	75			75		✓												
15	75			75		✓												
16	50			50		✓												
17	50			50		✓												
18	50			50		✓												
19	25			25		✓												
20	25			25		✓												
21	10			10		✓												
22	10			10		✓												
23	Surface			0		✓												

Comments: 24/ Surface

ENTERED BY:

CHECKED BY:

Bottom Depth: 3020.

Cast # down: 35

Cast # up: 36

Time LOC UTC

Begin:

Bottom: 1455

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 4858.07

LONG: 13040.24

END POSITION (GPS)

LAT:

LONG:

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

97/06/08

SHIP:

STATION NAME:

P12

CAST NO.:

38

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	PH	DO	CO ₂	ALK	SAL	POC	CHL	OC ₂	OC ₃	OC ₄	Serial #	°C / dbar
1	69	1202	4.6	400	400.8	✓ 33.9762	✓	✓		✓	✓	✓						1510
2	70	1203	5.4	300	301.8	✓ 33.9196	✓	✓		✓	✓	✓						2,636
3	71	1204	5.9	250	250.2	✓ 33.9215	✓	✓		✓	✓	✓						3,109
4	72	1206	6.6	200	200.7	✓ 33.9217	✓	✓		✓	✓	✓						3,591
5	73	1208	7.0	175	175.3	✓ 33.8502	✓	✓		✓	✓	✓						4,120
6	74	1209	7.1	150	151.1	✓ 33.6698	✓	✓		✓	✓	✓						4,445
7	75	1210	7.5	125	125.4	✓ 33.1518	✓	✓		✓	✓	✓						5,383
8	76	1211	7.9	100	100.1	✓ 32.6675	✓	✓		✓	✓	✓	✓					6,490
9	77	1212	8.1	80	79.7	✓ 32.6222	✓	✓		✓	✓	✓	✓					6,652
10	78	1213	8.7	60	59.8	✓ 32.5812	✓	✓		✓	✓	✓	✓					6,799
11	79	1214	9.2	50	50.0	✓ 32.5603	✓	✓		✓	✓	✓	✓					6,857
12	80	1215	10.1	40	38.9	✓ 32.5546	✓	✓		✓	✓	✓	✓					6,869
13	81	1216	11.7	30	29.6	✓ 32.4987	✓	✓		✓	✓	✓	✓					6,427
14	82	1217	11.9	20	20.2	✓ 32.4988	✓	✓		✓	✓	✓	✓					6,384
15	83	1218	11.9	15	15.8	✓ 32.4995	✓	✓		✓	✓	✓	✓					6,385
16	84	1219	11.9	10	10.6	✓ 32.4998	✓	✓		✓	✓	✓	✓					6,383
17	85	1220	11.9	5	5.7	✓ 32.4995	✓	✓		✓	✓	✓	✓					6,379
18	86	1221	11.9	0	3.2	32.4995	✓	✓		✓	✓	✓	✓					6,386
19																		
20																		
21																		
22																		
23																		

Comments: #81 not shaken enough.

ENTERED BY:

CHECKED BY:

Bottom Depth: 3024

Cast # down: 37

Cast # up: 38

Time LOC UTC

Begin: 1913

Bottom: 1925

End: 1943

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 58 34

LONG: 130 40.10

END POSITION (GPS)

LAT:

LONG:

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

97/06/09

SHIP:

STATION NAME:

P16

CAST NO.:

46

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CHL	DO	TCO	ALK	SAL	DOC	CHL	CHL	CHL	CHL	Serial #	°C / dbar
1	87	1010	4.3	400	398.6	✓33.9725	✓	✓		✓	✓	✓						1.668
2	88	1020	4.7	300	297.1	✓33.9266												2.280
3	89	1028	5.2	250	249.3	✓33.9079												2.785
4	90	1031	5.7	200	199.2	✓33.8878												3.506
5	91	1032	6.0	175	174.4	✓33.8748												3.886
6	92	1036	6.5	150	150.0	✓33.8729												4.307
7	93	1039	6.6	125	123.3	✓33.7845												4.670
8	94	1045	6.8	100	99.4	✓33.5023							✓					5.257
9	95	1047	7.1	80	79.7	✓32.8469												6.188
10	96	1052	7.5	60	58.5	✓32.6516												6.811
11	97	1054	7.9	50	48.4	✓32.6333												6.868
12	98	1056	8.5	40	38.8	✓32.6222												6.889
13	99	1062	9.2	30	29.8	✓32.6191												6.811
14	100	1065	10.4	20	19.8	✓32.6153										pen		6.605
15	101	1068	10.4	15	14.9	✓32.6175												6.602
16	102	1079	10.5	10	9.2	✓32.6165												6.597
17	103	1084	10.6	5	3.7	✓32.6187												6.550
18	104	1090	10.6	0	1.5	32.6191	✓	✓		✓	✓	✓	✓					6.549
19																		
20																		
21																		
22																		
23				600	604.7					FOR TRAPS.								

Comments: #24

604.0

ENTERED BY:

CHECKED BY:

Bottom Depth: 3636

Cast # down: 45

Cast # up: 46

Time LOC UTC

Begin: 18:30

Bottom: 19:01:20

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 4916.73

LONG: 134 39.64

END POSITION (GPS)

LAT:

LONG:

check end point of #100.
1.118

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

97/06/09

SHIP:

STATION NAME:

P16

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				
								OXY		C13		NUT		CHL					
1	200				200	✓													
2	200				200	✓													
3	200				200	✓													
4	200				200	✓													
5	150				150	✓													
6	150				150	✓													
7	150				150	✓													
8	100				100	✓													
9	100				100	✓													
10	100				100	✓													
11	75				75	✓													
12	75				75	✓													
13	75				75	✓													
14	50				50	✓													
15	50				50	✓													
16	50				50	✓													
17	25				25	✓													
18	25				25	✓													
19	25				25	✓													
20	10				10	✓													
21	10				10	✓													
22	10				10	✓													
23	SFC				0	✓													

Comments: 24/ SFC

0 ✓

ENTERED BY:

CHECKED BY:

Bottom Depth: 3638

Cast # down: 47

Cast # up: 48

Time LOC UTC

Begin: 2340

Bottom: 2344

End:

START POSITION (GPS)

LAT: 49 17.02

LONG: 134 39.94

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Rosette Log

CRUISE ID: 9711
STATION NAME: MP16

UTC DATE y/m/d: 97/06/10
CAST NO.: 50

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				300	302.0	✓												
2				300	302.2	✓												
3				150	150.1	✓												
4				150	149.6	✓												
5				75	74.6	✓												
6				75	73.9	✓												
7				50	50.1	✓												
8				50	50.6	✓												
9				25	24.4	✓												
10				25	25.0	✓												
11				10	10.3	✓												
12				10	10.5	✓												
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 3637

Cast # down: 49

Cast # up: 50

Time	LOC	UTC
Begin:		0102
Bottom:		0108
End:		

START POSITION (GPS)
LAT: 49 17.10
LONG: 134 39.96

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

IOS Deep Rosette

CRUISE ID: 9711
STATION NAME: MP16

UTC DATE y/m/d: 97/06/10
CAST NO.: 52

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	DOC	DOC	CHL	018	00N		Serial #	°C / dbar
1	105	1202	1.6	B-20	3675.2	✓ 34.6873		✓			✓	✓						2.698
2	106	1203	1.6	3500	3500.0	✓ 34.6853												2.687
3	107	1204	1.6	3000	3000.1	✓ 34.6739											too high	2.991
4	108		1.6	2750	2751.8	✓ 34.6641												2.272
5	109		1.7	2500	2500.8	✓ 34.6507												1.916
6	110		1.8	2250	2251.0	✓ 34.6342												1.632
7	111		1.9	2000	2000.6	✓ 34.6094												1.292
8	112		2.1	1750	1750.6	✓ 34.5723												.918
9	113		2.3	1500	1500.7	✓ 34.5255								✓				566
10	114		2.6	1250	1250.1	✓ 34.4695											067 X	.320
11	115		3.1	1000	1000.0	✓ 34.3840		✓	✓	✓								.297
12	116		3.4	800	798.2	✓ 34.2975												.328
13	117		3.8	600	601.9	✓ 34.1606									✓			.703
14	118		4.3	400	400.0	✓ 33.9895												1.646
15	119		4.7	300	297.8	✓ 33.9292												2.566
16	120		5.7	200	200.1	✓ 33.8863												3.531
17	121		6.4	150	148.0	✓ 33.8754												4.262
18	122		6.8	100	100.6	✓ 33.5664												5.099
19	123		7.2	75	74.4	✓ 32.6850												
20	124		7.8	50	50.5	✓ 32.6234												6.885
21	125		10.2	25	25.6	32.6141												6.582
22	126	1225	10.5	0	6.0	32.6181		✓	✓	✓	✓	✓	✓	✓	✓		flask X	6.802
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 3636

Cast # down: 51

Cast # up: 52

Time LOC UTC
Begin:
Bottom: 07:01:17
End: 08:31

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 49 16.65
LONG: 134 39.68

END POSITION (GPS)
LAT:
LONG:

1225 143.49

Comments: #108 O₂ stopped not put in correct, stopped chain twisted, large air bubble.
#126 same

Rosette Log

 CRUISE ID: 9711
 STATION NAME: MP 20

 UTC DATE y/m/d: 97/06/11
 CAST NO.: 60
SHIP: TULLY

IOS Shallow Rosette

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	etc	TEO	ALK	SAL	DOC						PAR Serial #	O ₂ °C/dbar
1	127		4.1	400	405.3	✓ 34.0580	✓	✓		✓	✓	✓						.970
2	128		4.4	300	299.8	✓ 33.9619	1	1										1.816
3	129		4.5	250	248.7	✓ 33.9138												2.156
4	130		5.0	200	199.1	✓ 33.8919												2.667
5	131		5.3	175	174.0	✓ 33.8797												3.079
6	132		5.6	150	149.9	✓ 33.8460												3.525
7	133		5.8	125	124.3	✓ 33.7817												4.090
8	134		6.1	100	100.3	✓ 33.5758												4.678
9	135		6.8	80	79.8	✓ 32.8469										2.919		6.500
10	136		7.5	60	58.9	✓ 32.6140										12.24		6.912
11	137		8.2	50	49.9	✓ 32.5897										22.61		6.965
12	138		9.5	40	38.1	✓ 32.5690										48.04		6.677
13	139		9.7	30	29.9	✓ 32.5653										83.74		6.645
14	140		9.8	20	20.1	✓ 32.5688										149.7		6.612
15	141		9.8	15	15.2	✓ 32.5696										207.5		6.603
16	142		9.8	10	10.3	✓ 32.5696										282.6		6.609
17	143		9.8	5	5.8	✓ 32.5694										453.8		6.616
18	144		9.9	0	1.8	✓ 32.5691	✓	✓		✓	✓	✓	✓			814.4		6.592
19																		
20																		
21																		
22																		
23																		

 ENTERED BY:
 CHECKED BY:
Bottom Depth: 3962Cast # down: 59Cast # up: 60

Time	LOC	UTC
Begin:		1920
Bottom:		19:31:11
End:		

START POSITION (GPS)	
LAT:	
LONG:	

BOTTOM POSITION (GPS)	
LAT:	49 33.8'
LONG:	138 40.23

END POSITION (GPS)	
LAT:	
LONG:	

1003	716
1007 006 005	715
1005	715

Comments:

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

97/06/12

SHIP:

Tully

STATION NAME:

MP20

CAST NO.:

62

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		2 Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC	OXY	TCO	CI3	ALK	NUT	SAL	CHL	DOC	DOC	Serial #	°C / dbar
1	145		1.5	3900	3903.1	✓34.6951		✓				✓	✓					2.941
2	146		1.5	3500	3499.1	✓34.6883												2.797
3	147		1.6	3000	2999.7	✓34.6725												2.430
4	148		1.7	2750	2748.4	✓34.6595												2.131
5	149		1.7	2500	2499.4	✓34.6445												1.848
6	150		1.8	2250	2249.5	✓34.6257												1.547
7	151		2.0	2000	1999.2	✓34.5997												1.189
8	152		2.1	1750	1749.1	✓34.5670												.836
9	153		2.3	1500	1500.1	✓34.5256									✓			.534
10	154		2.6	1250	1249.5	✓34.4690												.132
11	155		2.9	1000	999.9	✓34.4006			✓	✓	✓							.320
12	156		3.3	800	799.7	✓34.3247												.318
13	157		3.6	600	600.4	✓34.2005									✓			.551
14	158		4.1	400	400.4	✓34.0607												.912
15	159		4.4	300	300.0	✓33.9624												1.820
16	160		5.0	200	199.8	✓33.8934												2.669
17	161		5.5	150	150.1	✓33.8574												3.409
18	162		6.1	100	100.1	✓33.5930												4.680
19	163		6.6	75	75.0	✓32.7841												6.630
20	164		7.6	50	49.6	✓32.6105												6.944
21	165		9.8	25	25.4	✓32.5686												6.623
22	166		10.0	0	1.4	✓32.5665	✓	✓	✓	✓	✓	✓	✓		✓	✓		6.595
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 3965

Cast # down: 61

Cast # up: 62

Time LOC UTC

Begin: 0225

Bottom: 0337

End: 0502

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 34.12

LONG: 138 41 07

END POSITION (GPS)

LAT:

LONG:

Comments:

22 - SURFACE MAY HAVE CLOSED WITH A SMALL AMOUNT OF AIR IN THE TOP.

154 O2 stopper popped in flask

156 same.

Maureen's Short Cast

Rosette Log

CRUISE ID: 9711
STATION NAME: P20

UTC DATE y/m/d: 97/06/12
CAST NO.: 64

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	200	✓																
2	200	✓																
3	200	✓																
4	200	✓																
5	200	✓																
6	150	✓																
7	150	✓																
8	150	✓																
9	150	✓																
10	100	✓																
11	100	✓																
12	100	✓																
13	75	✓																
14	75	✓																
15	75	✓																
16	50	✓																
17	50	✓																
18	50	✓																
19	25	✓																
20	25	✓																
21	10	✓																
22	10m	✓																
23	surface	✓																

ENTERED BY:
CHECKED BY:

Bottom Depth: 3964

Cast # down: 63

Cast # up: 64

Time LOC UTC
Begin: 1451
Bottom:
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: 24 / surface ✓

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

97 06 12

SHIP:

Tully

STATION NAME:

P20

CAST NO.:

66

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				300 ✓	300													
2				300 ✓	301													
3				150 ✓	149.3													
4				150 ✓	149.02													
5				75 ✓	76.1													
6				75 ✓	76.1													
7				50 ✓	50.1													
8				50 ✓	50.3													
9				25 ✓	25.6													
10				25 ✓	24.8													
11				10 ✓	10.3													
12				10 ✓	10.1													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 3946

Cast # down: 65

Cast # up: 66

Time LOC UTC

Begin: 1730

Bottom: 1738

End: 1752

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 33.9

LONG: 138 39.75

END POSITION (GPS)

LAT: 49 33.83

LONG: 138 39.68

Comments:

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

97/06/14

SHIP:

STATION NAME:

MP26

CAST NO.:

80

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CHL	DMS	DOXY	DO3	WPH	NUT	SAL	POC			Serial #	°C / dbar
1	167		4.0	400	401.8	✓	34.0662	✓	✓			✓	✓	✓				1.318
2	168		4.0	300	299.8	✓	33.9253	✓	✓									1.922
3	169		4.0	250	250.4	✓	33.8675	✓	✓									2.308
4	170		4.4	200	200.0	✓	33.8121	✓	✓									3.085
5	171		4.6	175	174.5	✓	33.7827	✓	✓									3.524
6	172		4.8	150	149.7	✓	33.7533	✓	✓									4.024
7	173		5.1	125	123.2	✓	33.5954	✓	✓									4.754
8	174		5.6	100	100.5	✓	32.8862	✓	✓					✓				6.616
9	175		5.9	80	80.2	✓	32.7860	✓	✓					✓				6.950
10	176		6.2	60	59.6	✓	32.7339	✓	✓									7.012
11	177		6.9	50	49.2	✓	32.6977	✓	✓									7.067
12	178		7.7	40	41.3	✓	32.6986	✓	✓									6.980
13	179		8.6	30	30.5	✓	32.6806	✓	✓									6.837
14	180		8.9	20	20.7	✓	32.6742	✓	✓									6.821
15	181		9.1	15	14.9	✓	32.6682	✓	✓									6.789
16	182		9.2	10	9.9	✓	32.6602	✓	✓									6.752
17	183		9.3	5	5.3	✓	32.6619	✓	✓									6.767
18	184		9.4	0	2.1	✓	32.6634	✓	✓									6.755
19																		
20				400													Doc	
21																		
22																		
23				400m		✓												

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 4245

Cast # down: 79

Cast # up: 80

Time LOC UTC

Begin: 1922

Bottom: 1931

End: 1951

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 50 00.02

LONG: 145 00.12

END POSITION (GPS)

LAT:

LONG:

Rosette Log

CRUISE ID:

9711

STATION NAME:

P26

UTC DATE y/m/d:

97/06/15

CAST NO.:

82

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 81

Cast # up: 82

Time LOC UTC

Begin: 0213

Bottom: 0250

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 59.51

LONG: 145 00.36

END POSITION (GPS)

LAT:

LONG:

Marianas deep cast

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	✓																
2	2000	✓																
3	2000	✓																
4	2000	✓																
5	2000	✓																
6	2000	✓																
7	2000	✓																
8	1000	✓																
9	1000	✓																
10	1000	✓																
11	1000	✓																
12	1000	✓																
13	1000	✓																
14	1000	✓																
15	500	✓																
16	500	✓																
17	500	✓																
18	500	✓																
19	500	✓																
20	250	✓																
21	250	✓																
22	250	✓																
23	250	✓																

Comments: 24/250m ✓

BOTTLE #19 DID NOT TRIP.

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

97 06 15

SHIP:

Tully

STATION NAME:

MP26

CAST NO.:

84

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CHL	OC2	TCO	CI3	ALK	NUT	SAL	CHL	POC		Serial #	°C / dbar
1	185		4.0	400	399.5	✓ 34.0564	✓	✓				✓	✓					1.364
2	186		4.0	300	299.6	✓ 33.9284	✓	✓				✓	✓					1.911
3	187		4.1	250	250.3	✓ 33.8707	✓	✓				✓	✓					2.379
4	188		4.4	200	200.3	✓ 33.8159	✓	✓				✓	✓					3.025
5	189		4.5	175	174.9	✓ 33.7953	✓	✓				✓	✓					3.374
6	190		4.8	150	150.0	✓ 33.7635	✓	✓				✓	✓					3.877
7	191		5.1	125	125.3	✓ 33.6620	✓	✓				✓	✓					4.629
8	192		5.6	100	101.5	✓ 32.9483	✓	✓				✓	✓	✓		1.155 X		6.446
9	193		5.7	80	80.4	✓ 32.7670	✓	✓				✓	✓	✓				6.980
10	194		6.7	60	60.6	✓ 32.7144	✓	✓				✓	✓	✓				7.010
11	195		7.1	50	49.9	✓ 32.6926	✓	✓				✓	✓	✓				7.079
12	196		8.6	40	40.9	✓ 32.6828	✓	✓				✓	✓	✓				6.855
13	197		8.8	30	29.0	✓ 32.6682	✓	✓				✓	✓	✓				6.833
14	198		9.0	20	19.1	✓ 32.6698	✓	✓				✓	✓	✓				6.814
15	199		9.2	15	15.4	✓ 32.6604	✓	✓				✓	✓	✓				6.780
16	200		9.5	10	10.0	✓ 32.6527	✓	✓				✓	✓	✓				6.736
17	201		9.5	5	6.0	✓ 32.6536	✓	✓				✓	✓	✓				6.738
18	202		9.5	0	1.8	✓ 32.6536	✓	✓				✓	✓	✓				6.722
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 4242

Cast # down: 83

Cast # up: 84

Time LOC UTC

Begin:

Bottom: 11:44:30

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 50 00.16

LONG: 144 59.55

END POSITION (GPS)

LAT:

LONG:

Comments:

Rosette Log

CRUISE ID: 9711
STATION NAME: P26

UTC DATE y/m/d: 97/6/15
CAST NO.: 85

SHIP: JOHN P. JURY

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			25m														
2	2			25														
3	3			25														
4	4			25														
5	5			25														
6	6			25														
7	7			25														
8	8			25														
9	9			25														
10	10			25														
11	11			25														
12	12			25														
13	13			25														
14	14			25														
15	15			25														
16	16			25														
17	17			25														
18	18			25														
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

TimeLOCUTC

Begin:1926

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments: PHILIP BOYD (UBC) CAST FOR WATER (25m) FOR FORKEDIMENTS

Rosette Log

CRUISE ID:

9711
MP26

STATION NAME:

UTC DATE y/m/d:

97/06/16

CAST NO.:

87

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC	TCO	Dups	ALK	SAL	POC	DOC	CHL	DON	DI8	Serial #	°C / dbar
1	203		1.5	B-20	43/2.1	✓	34.7022	✓	✓	✓	✓	✓	✓	✓	✓	✓	539 X	3.248
2	204		1.5	4200	4201.5	✓	34.7017	✓	✓	✓	✓	✓	✓	✓	✓	✓	549 ?	3.187
3	205		1.5	4000	4000.5	✓	34.6993	✓	✓	✓	✓	✓	✓	✓	✓	✓	524 ?	3.132
4	206		1.5	3500	3501.5	✓	34.6907	✓	✓	✓	✓	✓	✓	✓	✓	✓		2.910
5	207		1.6	3000	3001.0	✓	34.6750	✓	✓	✓	✓	✓	✓	✓	✓	✓		2.508
6	208		1.6	2750	2748.9	✓	34.6637	✓	✓	✓	✓	✓	✓	✓	✓	✓		2.264
7	209		1.7	2500	2501.5	✓	34.6485	✓	✓	✓	✓	✓	✓	✓	✓	✓		1.950
8	210		1.8	2250	2250.8	✓	34.6272	✓	✓	✓	✓	✓	✓	✓	✓	✓		1.595
9	211		1.9	2000	2000.1	✓	34.6058	✓	✓	✓	✓	✓	✓	✓	✓	✓		1.314
10	212		2.1	1750	1750.9	✓	34.5731	✓	✓	✓	✓	✓	✓	✓	✓	✓		1.928
11	213		2.3	1500	1498.5	✓	34.5288	✓	✓	✓	✓	✓	✓	✓	✓	✓		1.605
12	214		2.5	1250	1250.3	✓	34.4740	✓	✓	✓	✓	✓	✓	✓	✓	✓		1.385
13	215		2.9	1000	1000.3	✓	34.3986	✓	✓	✓	✓	✓	✓	✓	✓	✓		1.418
14	216		3.2	800	802.6	✓	34.3205	✓	✓	✓	✓	✓	✓	✓	✓	✓		1.512
15	217		3.6	600	601.2	✓	34.2088	✓	✓	✓	✓	✓	✓	✓	✓	✓		1.707
16	218		3.9	400	399.5	✓	34.0433	✓	✓	✓	✓	✓	✓	✓	✓	✓		1.375
17	219		4.0	300	300.1	✓	33.9229	✓	✓	✓	✓	✓	✓	✓	✓	✓		2.031
18	220		4.4	200	201.4	✓	33.8210	✓	✓	✓	✓	✓	✓	✓	✓	✓		2.994
19	221			150		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓		
20	222		5.5	100	100.3	✓	32.9680	✓	✓	✓	✓	✓	✓	✓	✓	✓		6.430
21	223		5.9	75	75.7	✓	32.7896	✓	✓	✓	✓	✓	✓	✓	✓	✓		6.959
22	224		6.8	50	50.3	✓	32.7002	✓	✓	✓	✓	✓	✓	✓	✓	✓		7.069
23	225		8.8	25	24.8	✓	32.6783	✓	✓	✓	✓	✓	✓	✓	✓	✓		6.875
24	226		9.4	0	1.5	✓	32.6767	✓	✓	✓	✓	✓	✓	✓	✓	✓		6.692

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 86

Cast # up: 87

Time LOC UTC

Begin:

Bottom: 0050

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 59.16

LONG: 144 59.21

END POSITION (GPS)

LAT:

LONG:

#19 did not close.

Rosette Log

CRUISE ID: 9711
STATION NAME: MP26

UTC DATE y/m/d: 97/06/16
CAST NO.: 89

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC	OXY	TCO	C13	ALK	NUT	SAL	CHL	POC		Serial #	°C / dbar
1				300	303.0	✓												
2				300	301.9	✓												
3				150	150.8	✓												
4				150	150.8	✓												
5				75	74.5	✓												
6				75	73.8	✓												
7				50	50.4	✓												
8				50	50.3	✓												
9				25	24.5	✓												
10				25	25.0	✓												
11				10	10.2	✓												
12				10	10.8	✓												
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 4245

Cast # down: 88

Cast # up: 89

Time LOC UTC
Begin:
Bottom: 0508
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 50 00.10
LONG: 144 59.98

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID:

STATION NAME:

9711

P26

UTC DATE y/m/d:

CAST NO.:

97/06/16

91

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

mfaun's shallow cast

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	200m	✓																
2	200	✓																
3	200	✓																
4	200	✓																
5	200	✓																
6	150	✓																
7	150	✓																
8	150	✓																
9	150	✓																
10	100	✓																
11	100	✓																
12	100	✓																
13	75	✓																
14	75	✓																
15	75	✓																
16	50	✓																
17	50	✓																
18	50	✓																
19	25	✓																
20	25	✓																
21	10	✓																
22	10	✓																
23	Surface	✓																

Comments:

24/ Surface ✓

Rosette Log

CRUISE ID:

STATION NAME:

9711

MP 26

UTC DATE y/m/d:

CAST NO.:

96/06/16

93

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 92

Cast # up: 93

Time LOC UTC

Begin:

Bottom:

1614

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 4959.95

LONG: 144 59.49

END POSITION (GPS)

LAT:

LONG:

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				2000		✓												
6				2000		✓												
7				1500		✓									✓			
8				1200		✓									✓			
9				1200		✓												
10				1000		✓									✓			
11				800		✓									✓			
12				600		✓									✓			
13				500		✓									✓			
14				400		✓									✓			
15				300		✓									✓			
16				200		✓									✓			
17				100		✓												
18				100		✓												
19				100		✓												
20				100		✓												
21				30		✓												
22				30		✓												
23				10		✓												

Comments: 24

10

Rosette Log
 IOS shallow Rosette
 Dusk

CRUISE ID: 9711
 STATION NAME: MP26

UTC DATE y/m/d: 97/06/17
 CAST NO.: 97

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	PH	DO	CO ₂	ALK	SAL	DOC	CHL	OC	OC	OC	Serial #	°C / dbar
1	227		4.0	400	398.1	✓ 34.0636	✓	✓			✓	✓						1374
2	228		4.0	300	298.6	✓ 33.9301	✓	✓			✓	✓						1888
3	229		4.3	200	200.5	✓ 33.8231	✓	✓			✓	✓						2946
4	230		5.5	100	100.4	✓ 33.0284	✓	✓				✓						6219
5	231		5.7	80	80.0	✓ 32.7734	✓	✓										6970
6	232		6.2	60	60.0	✓ 32.7183	✓	✓										7050
7	233		6.7	50	50.2	✓ 32.6765	✓	✓										7136
8	234		7.5	40	39.5	✓ 32.6882	✓	✓										7045
9	235		9.0	30	29.1	✓ 32.6557	✓	✓										6815
10	236		9.2	20	20.2	✓ 32.6566	✓	✓										6771
11	237		9.3	15	15.0	✓ 32.6570	✓	✓										6729
12	238		9.4	10	10.3	✓ 32.6572	✓	✓										6734
13	239		9.4	5	3.8	✓ 32.6568	✓	✓										6733
14	240		9.4	0	1.8	✓ 32.6558	✓	✓			✓	✓	✓					6723
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

Bottom Depth: 4245

Cast # down: 96

Cast # up: 97

Time LOC UTC
 Begin:
 Bottom: 06:30:44
 End: 06:51

START POSITION (GPS)
 LAT:
 LONG:

BOTTOM POSITION (GPS)
 LAT: 50 00.14
 LONG: 145 00.43

END POSITION (GPS)
 LAT:
 LONG:

1 7043.004 714
 2 7005 713
 3 7004 714

Comments: MnCl₂ incorrectly set to dispense 1.2 ml. Oxygen samples not shaken enough.

Rosette Log

CRUISE ID: 9711
STATION NAME: MP32UTC DATE y/m/d: 97/06/18
CAST NO.: 101SHIP: 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		4.0	400	401.3	✓34.0512												1392
2	242		4.1	300	298.7	✓33.9374												1924
3	243		4.4	200	200.8	✓33.8027												3152
4	244		4.8	150	149.8	✓33.7006												4137
5	245		5.0	100	100.4	✓32.7709												6976
6	246		5.3	80	79.8	✓32.7298												7093
7	247		6.0	60	59.9	✓32.7111												7131
8	248		6.5	50	50.7	✓32.6898												7171
9	249		7.5	40	39.9	✓32.6708												7182
10	250		8.9	30	29.4	✓32.6499												6922
11	251		9.4	20	19.1	✓32.6513												6753
12	252		9.5	15	14.6	✓32.6529												6734
13	253		9.6	10	10.1	✓32.6531												6733
14	254		9.7	5	3.9	✓32.6533												6723
15	255		9.7	0	1.7	✓32.6533												6721
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:Bottom Depth: 4250Cast # down: 100Cast # up: 101

Time	LOC	UTC
Begin:		<u>0053</u>
Bottom:		<u>01:49:56</u>
End:		

START POSITION (GPS)	
LAT:	
LONG:	

BOTTOM POSITION (GPS)	
LAT:	<u>50 53.65</u>
LONG:	<u>145 00.46</u>

END POSITION (GPS)	
LAT:	
LONG:	

Comments:

Rosette Log

CRUISE ID: 9711
STATION NAME: MZ03UTC DATE y/m/d: 97/06/18
CAST NO.: 107SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC	pm6	OXY	TCO	C13	ALK	NUT	SAL	CHL	POC	Serial #	°C / dbar
1	256		1.5	4100	4121.5	✓34.7010		✓					✓	✓				3.205
2	257		1.5	4000	3999.6	✓34.6991												3.156
3	258		1.5	3500	3500.8	✓34.6905												2.928
4	259		1.6	3000	3000.1	✓34.6728												2.472
5	260		1.7	2500	2499.2	✓34.6441												1.860
6	261		1.9	2000	1999.4	✓34.6014												1.235
7	262		2.3	1500	1499.9	✓34.5243												.690
8	263		2.5	1250	1250.2	✓34.4787												.455
9	264		2.8	1000	1000.8	✓34.4082												.421
10	265		3.1	800	800.2	✓34.3322												.423
11	266		3.4	600	600.3	✓34.2213												.490
12	267		3.7	400	401.0	✓34.0716	✓											.883
13	268		3.8	300	300.1	✓33.9698												1.309
14	269		4.0	200	199.7	✓33.8681												2.035
15	270		4.1	150	150.3	✓33.7839												2.730
16	271		4.2	100	99.1	✓33.1907									✓			5.210
17	272		4.6	75	76.1	✓32.7736												7.198
18	273		5.6	50	49.6	✓32.7291												7.350
19	274		6.6	40	40.5	✓32.7153												7.423
20	275		7.8	30	30.9	✓32.6891												7.214
21	276		10.0	20	20.1	✓32.6774												6.717
22	277		10.0	10	10.0	✓32.6778												6.707
23	278		10.0	0	1.9	✓32.6773	✓	✓					✓	✓	✓			6.726

ENTERED BY: CHECKED BY: Bottom Depth: Cast # down: 106Cast # up: 107

Time LOC UTC

Begin: Bottom: 15:54:39End: 17:31

START POSITION (GPS)

LAT: LONG:

BOTTOM POSITION (GPS)

LAT: 5212.02LONG: 14500.19

END POSITION (GPS)

LAT: LONG: Comments:

Rosette Log

CRUISE ID: 9711
STATION NAME: M209

UTC DATE y/m/d: 97/6/19
CAST NO.: 119

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	1			50	49.9													
2	2			50	50.5													
3	3			35	34.7													
4	4			35	35.1													
5	5			25	24.8													
6	6			25	24.9													
7	7			20	19.8													
8	8			20	19.5													
9	9			10	9.8													
10	10			10	10.0													
11	11			5	5.1													
12	12			5	5.1													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 118
Cast # up: 119

Time	LOC	UTC
Begin:		20 14
Bottom:		20 37
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID:

9711

STATION NAME:

BA 209

UTC DATE y/m/d:

97/06/19

CAST NO.:

121

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 4039.

Cast # down: 120

Cast # up: 121

Time LOC UTC

Begin: 22:49

Bottom: 22:57

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 55 00.28

LONG: 145 00.03

END POSITION (GPS)

LAT:

LONG:

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	200	✓				✓												
2	200	✓				✓												
3	200	✓				✓												
4	200	✓				✓												
5	200	✓				✓												
6	150	✓																
7	150	✓																
8	150	✓																
9	150	✓																
10	100	✓																
11	100	✓																
12	100	✓																
13	75	✓																
14	75	✓																
15	75	✓																
16	50	✓																
17	50	✓																
18	50	✓																
19	25	✓																
20	25	✓																
21	10	✓																
22	10	✓																
23	Surface	✓																

Comments: 24/ Surface ✓

IOS Deep Rosette

UTC DATE y/m/d: 97/06/20
CAST NO.: 123

ENTERED BY: _____

CHECKED BY: _____

Bottom Depth: 4040.

Cast # down: 122

Cast # up: 123

Time	LOC	UTC
------	-----	-----

Begin:

Bottom: 01:14

End: 02:46

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 55 00.68

LONG: 145 00.39

	END POSITION (GPS)
--	--------------------

LAT: _____

LONG:

[illegible]

24 Comments: 302 11.8 0 2.4 ✓ 32,6601 ✓ ✓ ✓ ✓ ✓ ✓ ✓ 6.715

Collect NH_4 in duplicate (glass +1) - other nuts in single plastic

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

97/06/20

SHIP:

STATION NAME:

AB02

CAST NO.:

130

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	303		3-8	400	403.0	✓34.1051		✓				✓	✓					.671
2	304		4.0	300	300.3	✓34.0139												1.123
3	305		4.2	250	251.6	✓33.9765												1.359
4	306		4.1	200	200.5	✓33.9136												1.669
5	307		4.2	175	175.2	✓33.8707												1.985
6	308		4.2	150	151.0	✓33.8465												2.241
7	309		4.4	125	125.2	✓33.7971												2.706
8	310		4.6	100	99.8	✓33.6292								✓				3.539
9	311		4.7	80	80.8	✓33.0342												5.825
10	312		4.9	60	60.2	✓32.7701												7.150
11	313		5.2	50	50.0	✓32.7515												7.219
12	314		5.6	40	39.9	✓32.7384												7.274
13	315		6.3	30	30.8	✓32.7229												7.327
14	316		8.1	20	20.1	✓32.6742												7.298
15	317		8.5	15	15.1	✓32.6768												7.111
16	318		9.7	10	10.9	✓32.6653												6.867
17	319		10.5	5	6.3	✓32.6666												6.720
18	320		10.8	0	2.4	✓32.6696		✓				✓	✓	✓				6.664
19																		
20																		
21																		
22																		
23																		

Comments: Oxygen samples not skaten enough

ENTERED BY:

CHECKED BY:

Bottom Depth: 3966

Cast # down: 128

Cast # up: 129/130

Time LOC UTC

Begin:

Bottom: 1601

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 5444.17

LONG: 143 58.39

END POSITION (GPS)

LAT:

LONG:

Rosette Log

CRUISE ID: 9711
STATION NAME: AB04

UTC DATE y/m/d: 97/06/20
CAST NO.: 134

SHIP:

Niskin No.	Sample No.	OXY. Flask	CTD OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CHL	DMG	OXY	TCO	CI3	ALK	NUT	SAL	CHL	POC	Serial #	°C / dbar
1	321			400	400.1	✓	✓	✓					✓	✓				1088
2	322			300	298.9	✓												1.755
3	323			250	249.0	✓												2.166
4	324			200	200.5	✓												2.521
5	325			175	174.6	✓												2.729
6	326			150	149.1	✓												3.026
7	327			125	124.7	✓												2.987
8	328			100	100.1	✓									✓			3.683
9	329			80	79.8	✓												5.980
10	330			60	59.5	✓												7.112
11	331			50	48.9	✓												7.268
12	332			40	39.9	✓												7.346
13	333			30	29.1	✓												7.232
14	334			20	18.7	✓												6.880
15	335			15	14.6	✓												6.836
16	336			10	11.1	✓												6.781
17	337			5	6.4	✓												6.730
18	338			0	2.1	✓	✓	✓					✓	✓	✓			6.700
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 3877

Cast # down: 133

Cast # up: 134

Time LOC UTC

Begin:

Bottom: 2324

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 5428.15

LONG: 14254.90

END POSITION (GPS)

LAT:

LONG:

Comments: CTD Temperature and salinity not valid, syringe left on sensors.

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

97 06 21

SHIP: TUNNY

STATION NAME:

AB06

CAST NO.:

137/138

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	339		4.1	400	398.9	✓ 34.0552						✓	✓					9.778
2	340		4.2	300	300.0	✓ 33.9250						✓	✓					1.532
3	341		4.5	250	249.1	✓ 33.8953						✓	✓					2.059
4	342		5.1	200	199.6	✓ 33.8917						✓	✓					2.370
5	343		5.3	175	173.8	✓ 33.8744						✓	✓					2.664
6	344		5.6	160	150.5	✓ 33.8467						✓	✓					2.917
7	345		6.0	125	124.0	✓ 33.7599						✓	✓					3.222
8	346		6.0	100	100.0	✓ 33.5030						✓	✓					4.034
9	347		5.4	80	79.6	✓ 32.8905						✓	✓					6.225
10	348		5.5	60	60.0	✓ 32.6503						✓	✓					7.026
11	349		5.9	50	50.0	✓ 32.6104						✓	✓					7.174
12	350		6.7	40	40.5	✓ 32.5907						✓	✓					7.313
13	351		7.2	30	30.4	✓ 32.5851						✓	✓					7.441
14	352		9.8	20	19.9	✓ 32.5651						✓	✓					7.060
15	353		10.3	15	14.2	✓ 32.5683						✓	✓					6.845
16	354		10.8	10	9.7	✓ 32.5687						✓	✓					6.734
17	355		11.1	5	4.4	✓ 32.5774						✓	✓					6.668
18	356		11.1	0	1.8	✓ 32.5798						✓	✓					6.675
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 3791

Cast # down: 137

Cast # up: 138

Time LOC UTC

Begin: 0553

Bottom: 0618

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 54 11.38

LONG: 141 52.96

END POSITION (GPS)

LAT:

LONG:

Comments:

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

97/06/21

SHIP:

Tully

STATION NAME:

AB08

CAST NO.:

142

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	357		4.0	400	398.6	✓ 34.0633		✓				✓	✓					934
2	358		4.1	300	299.9	✓ 33.9600												1.529
3	359		4.2	250	248.2	✓ 33.9030												1.952
4	360		4.5	200	200.3	✓ 33.8517												2.612
5	361		4.8	175	174.7	✓ 33.8500												2.774
6	362		5.1	150	150.9	✓ 33.8157												3.177
7	363		5.3	125	125.6	✓ 33.7548												3.702
8	364		5.3	100	101.0	✓ 33.1759								✓				5.372
9	365		5.5	80	80.4	✓ 32.6975												6.859
10	366		6.6	60	61.7	✓ 32.6460												7.182
11	367		6.7	50	50.7	✓ 32.6315												7.290
12	368		7.3	40	40.3	✓ 32.6363												7.427
13	369		9.2	30	29.6	✓ 32.6076												7.098
14	370		10.4	20	19.7	✓ 32.5931												6.795
15	371		10.6	15	14.6	✓ 32.6056												6.667
16	372		10.6	10	10.2	✓ 32.6069												6.661
17	373		10.6	5	4.9	✓ 32.6070												6.651
18	374		10.6	0	1.9	✓ 32.6066		✓				✓	✓	✓				6.663
19																		
20																		
21																		
22																		
23																		

ENTERED BY: BM

CHECKED BY:

Bottom Depth: 3681.

Cast # down: 141

Cast # up: 142

Time LOC UTC

Begin:

Bottom: 1303

End: 1342

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 53 54.56

LONG: 140 50.79

END POSITION (GPS)

LAT:

LONG:

Comments:

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

97/06/21

STATION NAME:

AB10

CAST NO.:

146

SHIP: Tunny

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	PH	DO	TCO	C13	ALK	NUT	SAI	CHI	POC		Serial #	°C / dbar
1	375		4.0	400	400.0	34.0616	✓	✓				✓	✓					1928
2	376		4.2	300	300.0	33.9539												1504
3	377		4.4	250	249.3	33.9015												1929
4	378		4.6	200	200.4	33.8723												2393
5	379		4.9	175	175.3	33.8619												2652
6	380		5.0	150	149.7	33.8303												3107
7	381		5.3	125	124.2	33.6642												3840
8	382		5.5	100	99.8	33.3322								✓				5135
9	383		5.7	80	79.1	32.7595												6591
10	384		6.3	60	59.3	32.6735												7003
11	385		6.7	50	49.2	32.6620												7174
12	386		7.5	40	39.4	32.6426												7324
13	387		9.1	30	29.6	32.6115												6883
14	388		10.2	20	20.1	32.5839												6711
15	389		10.6	15	15.0	32.5829												6612
16	390		10.7	10	10.2	32.5839												6592
17	391		10.7	5	4.9	32.5857												6589
18	392		10.7	0	1.5	32.5854	✓	✓				✓	✓	✓				6575
19																		
20																		
21																		
22																		
23																		

Comments: Several oxygen samples not shaken enough after picking.

ENTERED BY:

CHECKED BY:

Bottom Depth: 3538.

Cast # down: 145

Cast # up: 146

Time LOC UTC

Begin: 1853

Bottom: 1919:30

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 53 38.32

LONG: 139 48.42

END POSITION (GPS)

LAT:

LONG:

Rosette Log

 CRUISE ID: 9711
 STATION NAME: AB12-

 UTC DATE y/m/d: 97/06/22
 CAST NO.: 150
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	393		4.5	400	399.4	✓34.0443		✓	✓	✓	✓	✓	✓					1.007
2	394		5.0	300	299.9	✓33.9698			✓	✓								1.643
3	395		5.2	250	249.4	✓33.9148												2.735
4	396		5.9	200	200.1	✓33.8965			✓	✓	✓							3.364
5	397		6.1	175	174.4	✓33.8870												3.625
6	398		6.4	150	149.9	✓33.8563			✓	✓	✓							3.680
7	399		6.7	125	124.9	✓33.7710												3.394
8	400		7.0	100	100.7	✓33.4900			✓	✓	✓		✓					4.029
9	401		6.9	80	80.1	✓33.0649												5.295
10	402		7.1	60	60.3	✓32.7246												6.387
11	403		7.3	50	49.8	✓32.6168			✓	✓	✓							6.698
12	404		7.7	40	39.2	✓32.5734												7.052
13	405		8.9	30	29.9	✓32.5113												7.097
14	406		10.5	20	21.0	✓32.4696			✓	✓	✓							6.795
15	407		11.2	15	14.1	✓32.4600												6.582
16	408		11.2	10	10.4	✓32.4622												6.574
17	409		11.2	5	4.8	✓32.4629												6.561
18	410		11.2	0	1.9	✓32.4630	✓	✓	✓	✓	✓	✓	✓					6.557
19																		
20																		
21																		
22																		
23																		

ENTERED BY: CHECKED BY: Bottom Depth: 3529Cast # down: 149Cast # up: 150

Time LOC UTC

Begin:

Bottom: 02:34:38

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 53 22.10LONG: 138 46.95

END POSITION (GPS)

LAT:

LONG:

Comments:

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

97/06/22

SHIP:

STATION NAME:

AB14

CAST NO.:

154

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	411		4.2	400	402.0	✓ 34.0365												1.129
2	412		5.0	300	300.4	✓ 34.0090												1.339
3	413		5.0	250	250.6	✓ 33.9373												2.098
4	414		5.5	200	199.3	✓ 33.9016												2.670
5	415		5.6	175	176.9	✓ 33.8432												3.405
6	416		6.1	150	150.4	✓ 33.8442												3.197
7	417		6.6	125	125.4	✓ 33.7146												3.340
8	418		6.4	100	100.8	✓ 33.2201												4.759
9	419		5.8	80	81.6	✓ 32.8008												6.512
10	420		6.8	60	61.0	✓ 32.6410												7.602
11	421		7.7	50	50.6	✓ 32.6235												7.202
12	422		8.8	40	41.1	✓ 32.6017												7.134
13	423		10.4	30	31.1	✓ 32.5472												6.848
14	424		11.1	20	20.3	✓ 32.5400												6.615
15	425		11.2	15	15.4	✓ 32.5414												6.596
16	426		11.2	10	10.4	✓ 32.5414												6.597
17	427		11.2	5	5.1	✓ 32.5410												6.589
18	428		11.2	0	1.4	✓ 32.5410												6.592
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 3347.

Cast # down: 153

Cast # up: 154

Time LOC UTC

Begin: 1051

Bottom: 1109

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 5340.15

LONG: 13708.71

END POSITION (GPS)

LAT:

LONG:

Comments: #420 stopper not inserted into flask correctly, large air bubble.

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

97/06/22

STATION NAME:

AB16

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	CHL	DMS	CHL	CO2	TCO	C13	ALK	NUT	SAL	POC	Serial #	°C / dbar
1	429		4.3	400	399.7	✓34.0354	✓	✓						✓	✓			1.152
2	430		4.5	300	301.1	✓33.9714	✓	✓						✓	✓			1.445
3	431		4.9	250	249.2	✓33.9348	✓	✓						✓	✓			1.816
4	432		5.2	200	200.9	✓33.8995	✓	✓						✓	✓			2.527
5	433		4.9	175	174.1	✓33.7848	✓	✓						✓	✓			3.415
6	434		5.8	150	150.1	✓33.7879	✓	✓						✓	✓			3.282
7	435		6.6	125	124.9	✓33.6513	✓	✓						✓	✓			3.594
8	436		7.0	100	100.1	✓33.3639	✓	✓						✓	✓			4.077
9	437		5.9	80	79.0	✓32.7683	✓	✓						✓	✓			6.181
10	438		6.6	60	59.8	✓32.6811	✓	✓						✓	✓			6.713
11	439		7.3	50	49.3	✓32.6262	✓	✓						✓	✓			6.930
12	440		7.9	40	40.3	✓32.5662	✓	✓						✓	✓			7.052
13	441		9.6	30	30.2	✓32.4914	✓	✓						✓	✓			7.068
14	442		11.7	20	19.5	✓32.4599	✓	✓						✓	✓			6.489
15	443		11.7	15	14.6	✓32.4663	✓	✓						✓	✓			6.503
16	444		11.7	10	10.3	✓32.4673	✓	✓						✓	✓			6.479
17	445		11.7	5	6.4	32.4676	✓	✓						✓	✓			6.493
18	446		11.7	0	1.5	32.4673	✓	✓						✓	✓			6.479
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 2662.

Cast # down: 157

Cast # up: 158

Time LOC UTC

Begin:

Bottom: 19:40:48

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 53 58.42

LONG: 135 31.99

END POSITION (GPS)

LAT:

LONG:

Comments: 435 & 436 out of order for oxygen sample

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

1997/06/23

SHIP:

STATION NAME:

AR18

CAST NO.:

162

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	447		47	400	399.6	✓ 33.9694		✓				✓	✓					1.639
2	448		5.3	300	300.0	✓ 33.9460												1.969
3	449		5.4	250	249.6	✓ 33.9027												2.538
4	450		5.7	200	199.9	✓ 33.8772												2.902
5	451		6.1	175	174.4	✓ 33.8373												2.992
6	452		6.5	150	150.0	✓ 33.7678												3.667
7	453		6.2	125	124.9	✓ 33.0775												5.368
8	454		6.8	100	99.3	✓ 32.7123								✓				6.416
9	455		7.0	80	80.2	✓ 32.6529												6.422
10	456		7.3	60	60.1	✓ 32.5931												6.365
11	457		7.6	50	50.4	✓ 32.5436												6.362
12	458		8.1	40	39.6	✓ 32.4665												6.647
13	459		9.5	30	29.6	✓ 32.4164												6.842
14	460		11.3	20	18.9	✓ 32.3180												6.626
15	461		11.8	15	15.0	✓ 32.2550												6.612
16	462		12.2	10	10.7	✓ 32.1303												6.559
17	463		12.9	5	5.9	✓ 31.9621												6.418
18	464		12.9	0	2.0	31.9513		✓				✓	✓	✓				6.403
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 730.

Cast # down: 161

Cast # up: 162

Time LOC UTC

Begin:

Bottom: 0312:46

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 5416.50

LONG: 13354.68

END POSITION (GPS)

LAT:

LONG:

Comments:

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

97/06/25

SHIP:

JOHN P. TULLY

STATION NAME:

PGC 1

CAST NO.:

164

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	465		6.1	≈ 208	209.5	✓ 33.8647		✓					✓	✓				2.125
2	466	—	6.2	200	200.5	✓ 33.8448		✓					✓	✓				—
3	467		6.2	190	189.9	✓ 33.8401		✓					✓	✓				2.172
4	468		6.2	180	180.2	✓ 33.8404		✓					✓	✓				2.167
5	469		6.3	160	160.4	✓ 33.7959		✓					✓	✓				2.188
X 6	470		6.3	140	160.2	✓ 33.7824		X					X	X				2.493
X 7	471		6.3	120	159.9	✓ 33.7765		X					X	X				3.020
8	472		6.6	100	140.8	✓ 33.6535		✓					✓	✓				3.815
9	473		7.0	80	118.3	✓ 33.3933		✓					✓	✓				4.772
10	474		7.3	60	98.9	✓ 33.0355		✓					✓	✓				5.325
11	475		7.7	40	79.3	✓ 32.5233		✓					✓	✓				5.883
12	476		8.3	20	59.5	✓ 32.0872		✓					✓	✓				6.541
13	477		9.8	5	38.4	✓ 31.7820		✓					✓	✓				6.404
14	478		11.9		18.4	31.4218		✓					✓	✓				
15	479		13.7		1.7	31.2769		✓					✓	✓				
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

Comments:

Bottle #2 did not close. 15 bottles fired

CAST FOR PGC

POTENTIAL GEOTHERMAL ACTIVITY - SAMPLE AS CLOSE TO BOTTOM AS POSSIBLE

ENTERED BY:

CHECKED BY:

Bottom Depth: 213

Cast # down: 163

Cast # up: 164

Time LOC UTC

Begin: 0813

Bottom: 0822

End: 0836

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 51 58.46

LONG: 129 30.98

END POSITION (GPS)

LAT:

LONG:

Rosette Log

CRUISE ID:

9711

UTC DATE y/m/d:

97/06/25

SHIP:

JOHN P TUNNY

STATION NAME:

PGC 2

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	480		6.4	226	220.4	✓ 33.9432		✓				✓	✓					1.908
2	481		6.4	220	219.7	✓ 33.9432		✓					✓	✓				
3	482		6.4	210	209.6	✓ 33.9435		✓					✓	✓				1.895
4	483		6.4	200	199.8	✓ 33.9434		✓					✓	✓				1.888
5	484		6.4	180	180.5	✓ 33.9427		✓					✓	✓				1.894
6	485		6.9	160	160.9	✓ 33.7675		✓					✓	✓				2.374
7	486		7.4	140	141.6	✓ 33.4843		✓					✓	✓				3.275
8	487		7.7	120	120.4	✓ 33.1447		✓					✓	✓				4.158
9	488		8.0	100	100.3	✓ 32.7678		✓					✓	✓				4.953
10	489		8.8	80	82.1	✓ 32.4203		✓					✓	✓				5.386
11	490		8.5	60	61.4	✓ 32.0792		✓					✓	✓				5.039
12	491		8.6	40	41.3	✓ 31.7252		✓					✓	✓				5.257
13	492		11.4	20	20.2	✓ 31.2666		✓					✓	✓				6.213
14	493		13.3	5	5.0	✓ 30.6691		✓					✓	✓				6.529
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

Comments:

Bottle #2 just not close,

ENTERED BY:

CHECKED BY:

Bottom Depth: 228

Cast # down: 165

Cast # up: 166

Time LOC UTC

Begin:

Bottom: 13:32:18

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 5117.87

LONG: 128 53.46

END POSITION (GPS)

LAT:

LONG: