

Rosette Log

CRUISE ID:

9715

UTC DATE y/m/d:

97/08/26

SHIP: TULLY

STATION NAME:

53

CAST NO.:

2

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
1	1	1143	9.4	B-5	221.2	✓31.8485		✓				✓	✓					φ
2	2	1144	9.4	200	200.7	✓31.8372		1				1	5					φ
3	3	1145	9.4	180	180.1	✓31.8272												φ
4	4	1146	9.3	160	158.5	✓31.8043												φ
5	5	1158	9.3	140	139.2	✓31.7603												.067
6	6	1148	9.2	120	119.4	✓31.6757												.413
7	7	1150	9.2	100	99.6	✓31.5367												.915
8	8	1151	9.0	80	79.9	✓31.3587												.504
9	9	1152	9.8	60	61.2	✓30.6506												2.205
10	10	1153	10.3	50	51.0	✓30.4935												2.684
11	11	1155	10.1	40	40.4	✓30.0372												2.831
12	12	1157	10.1	30	30.3	✓29.7330												2.961
13	13	1169	10.5	20	19.7	✓29.4096												3.093
14	14	1168	11.5	10	10.5	✓29.0298												3.192
15	15	1187	14.0	0	.3	✓28.0857		↓				↓	↓					4.207
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 220,

Cast # down: 1

Cast # up: 2

Time LOC UTC

Begin:

Bottom: 21'48:37

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 35.57

LONG: 123 30.08

END POSITION (GPS)

LAT:

LONG:

Rosette Log

CRUISE ID: 9715
STATION NAME: P4UTC DATE y/m/d: 97/08/28
CAST NO.: 11SHIP: TullyENTERED BY: MARIE / FRANK
CHECKED BY:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK	INA	SAL		POC		Serial #	^{O2} °C/dbar
								OXY		C13		NUT		CHL		DMS		
1	16		5.8	400	398.4	34.0536		✓				✓	✓					1.082
2	17		6.4	300	298.0	34.0083												1.629
3	18		6.8	250	248.0	33.9833												1.905
4	19		7.4	200	198.7	33.9224												2.140
5	20	did not close	7.8	175	174.7	33.8650												—
6	21		8.2	150	150.2	33.7276												2.483
7	22		8.4	125	125.5	33.5434			-									2.979
8	23		8.9	100	99.1	33.1580			-					✓				3.744
9	24		8.7	80	80.6	32.7274												4.942
10	25		9.3	60	60.7	32.5337												6.014
11	26		10.0	50	49.5	32.4910												6.121
12	X		10.8	1	40.2	32.4771												6.508
13	27			7(40)														
14	X																	
15	X																	
16	X																	
17	28		13.2	30	30.8	32.3982												7.073
18	29		14.7	20	21.4	31.8144												6.272
19	30		17.0	15	15.0	31.7727												6.069
20	31		17.5	10	10.3	31.7944												8.797
21	32		17.6	5	5.1	31.7466												5.702
22	33		17.5	0	1.5	31.6841												5.675
23	TARA 5m		17.6	5m	6.0	31.7512												—

Bottom Depth: 1322Cast # down: 10Cast # up: 11 + 12

Time	LOC	UTC	cast
Begin:		1653	10
Bottom:		1704	11
End:		1759	12

START POSITION (GPS)	
LAT:	48 39.04
LONG:	126 40.14

BOTTOM POSITION (GPS)	
LAT:	48 39.04
LONG:	126 40.18

END POSITION (GPS)	
LAT:	48 38.98
LONG:	126 40.17

Comments: Cast 12 Start at 1753 48 38.99 126 40.17 Start position. To 30m

Rosette Log

CRUISE ID:

9715

UTC DATE y/m/d:

97/8/29

SHIP:

STATION NAME:

P4 (deep)

CAST NO.:

16

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	180	OXY	TCO	CI3	ALK	NUT	SAL	CHL	POC		Serial #	°C / dbar
1	34		2.9	B-10	1318.1	✓	34.4699	✓	✓	✓	✓	✓	✓	✓				.463
2	35		3.0	1250	1250.4	✓	34.4537											.371
3	36		3.6	1000	1000.0	✓	34.3814											.234
4	37		4.1	800	800.8	✓	34.3071											.200
5	38		4.8	600	599.4	✓	34.1703								✓	✓		.422
6	39		5.6	400	400.4	✓	34.0648											1.006
7	40		6.2	300	299.9	✓	34.0151											1.523
8	41		7.3	200	199.5	✓	33.9404											2.100
9	42		7.9	150	149.9	✓	33.8286											2.337
10	43		8.8	100	99.7	✓	33.2370											3.808
11	44		8.8	75	75.9	✓	32.7192											5.334
12	45		9.8	50	50.5	✓	32.5048											6.487
13	46		12.8	25	25.9	✓	32.3216											6.978
14	47		18.0	0	.8	✓	31.8145	↓	↓	↓	↓	↓	↓	↓	↓	↓		5.634
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

Comments: O₂ bottle 1039 has a "closed crack" in it. (neck)

ENTERED BY: J.W.

CHECKED BY:

Bottom Depth: 1325

Cast # down: 15

Cast # up: 16

Time LOC UTC

Begin: 0433

Bottom: 0454

End: 0522

START POSITION (GPS)

LAT: 48° 39' 02"

LONG: 126° 40' 10"

BOTTOM POSITION (GPS)

LAT: 48° 39' 05"

LONG: 126° 40' 35"

END POSITION (GPS)

LAT: 48° 39' 13"

LONG: 126° 40' 72"

97150018
Rosette Log

CRUISE ID:
STATION NAME:

9715
P8

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

29/8/97
24.

SHIP: Tully

ENTERED BY: J.W.
CHECKED BY:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	SPC	OXY	TCO	CI3	ALK	NUT	SAL	CHL	POC		Serial #	°C / dbar
1	48		1.7	B-10	2505.8	✓ 34.6291		✓					✓	✓				1.977
2	49		1.8	2250	2249.7	✓ 34.6138												1.692
3	50		1.9	2000	1999.3	✓ 34.5869												1.388
4	51		2.1	1750	1750.3	✓ 34.5546												1.041
5	52		2.5	1500	1499.0	✓ 34.5142	✓											.706
6	53		2.9	1250	1249.4	✓ 34.4647												432
7	54		3.4	1000	1001.0	✓ 34.3982			✓		✓		✓					.251
8	55		3.8	800	800.6	✓ 34.3147												.226
9	56		4.3	600	600.5	✓ 34.2165												.319
10	57		4.8	400	400.2	✓ 34.1300												556
11	58		6.0	300	300.3	✓ 34.0158												1.318
12	59		6.7	250	250.2	✓ 33.9478												1.897
13	60		7.3	200	199.9	✓ 33.8455												2.707
14	61		7.6	150	150.0	✓ 33.7088												2.907
15	62		7.8	100	99.3	✓ 33.3009												3.863
16	63		8.1	75	74.7	✓ 32.9070												5.078
17	64		8.6	50	49.3	✓ 32.5614												5.941
18	65		13.8	25	25.7	✓ 31.9930												6.499
19	66		16.6	10	15.4	✓ 31.5557												5.930
20	67		17.8	0	.4	✓ 31.4614	✓	✓	✓	✓	✓	✓	✓	✓	✓			5.664
21	MARK'S			30	31.7	✓ 32.1010												
22																		
23																		

Bottom Depth: 2522

Cast # down: 23

Cast # up: 24

Time LOC UTC
Begin: 1714
Bottom: 1805
End:

START POSITION (GPS)
LAT: 48° 49.04
LONG: 128° 40.02

BOTTOM POSITION (GPS)
LAT: 48° 49.17
LONG: 128° 40.16

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID:

9715

UTC DATE y/m/d:

97/08/30

SHIP:

STATION NAME:

P12 Deep

CAST NO.:

32

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
							018	OXY		C13		NUT		CHL	DOC	DON		
1	68		1.7	B-10	3196.0	✓ 34.6462		✓				✓	✓					2.344
2	69		1.6	2750	2999.4	✓ 34.6455												2.276
3	70		1.7	2500	2500.5	✓ 34.6250												1.894
4	71		1.8	2280	2250.8	✓ 34.6059												1.614
5	72		1.9	2000	1999.9	✓ 34.5848												1.516
6	73		2.1	1750	1750.5	✓ 34.5512												983
7	74		2.4	1500	1499.7	✓ 34.5050	✓											1.614
8	75		2.8	1250	1250.7	✓ 34.4379												1.342
9	76		3.3	1000	999.1	✓ 34.3748			✓	✓	✓							1.241
10	77		3.9	800	799.6	✓ 34.2774												1.251
11	78		4.5	600	600.9	✓ 34.1675									✓	✓		1.418
12	79		5.2	400	399.4	✓ 34.0220												1.112
13	80		5.7	300	299.4	✓ 33.9528											check	1.992
14	81		6.2	250	249.2	✓ 33.9387												2.355
15	82		6.9	200	200.0	✓ 33.9152												2.835
16	83		7.3	150	148.9	✓ 33.8050												3.445
17	84		7.8	100	99.7	✓ 33.2379												4.577
18	85		8.1	75	76.0	✓ 32.8592												5.270
19	86		9.6	50	50.7	✓ 32.4624												6.621
20	87		13.4	25	26.1	✓ 32.1856												6.958
21	88		16.8	10	11.7	✓ 32.1022												5.897
22	89		17.3	0	1.4	✓ 31.8543	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		5.710
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 3200

Cast # down: 31

Cast # up: 32

Time LOC UTC

Begin: 08:25

Bottom: 09:24

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 58.17

LONG: 130 40.06

END POSITION (GPS)

LAT:

LONG:

Comments:

CTD 20m above bottom

Rosette Log

CRUISE ID: 9715
STATION NAME: P12 shallow

UTC DATE y/m/d: 30/8/27
CAST NO.: 34

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	+NH ₄	SAL		POC			Serial #	°C / dbar
								OXY		C13		NUT		CHL	OMS				
1	90		5.1	400	401.1	✓	34.0244		✓				✓	✓		✓			1.126
2	91		5.6	300	300.0	✓	33.9475		✓				✓	✓		✓			1.975
3	92		6.1	250	249.7	✓	33.9449		✓				✓	✓		✓			2.216
4	93		6.6	200	200.4	✓	33.9277		✓				✓	✓		✓			2.670
5	94		6.9	175	174.8	✓	33.9084		✓				✓	✓		✓			2.935
6	95		7.2	150	151.1	✓	33.8786		✓				✓	✓		✓			3.028
7	96		7.5	125	125.9	✓	33.6725		✓				✓	✓		✓			3.738
8	97		7.8	100	100.6	✓	33.2862		✓				✓	✓		✓			4.446
9	98		8.1	80	80.3	✓	32.8774		✓				✓	✓		✓			5.105
10	99		8.5	60	60.3	✓	32.5760		✓				✓	✓		✓			6.009
11	100		9.1	50	50.4	✓	32.4870		✓				✓	✓		✓			6.363
12	101		9.8	40	40.7	✓	32.4378		✓				✓	✓		✓			6.697
13	102		11.7	30	30.8	✓	32.3407		✓				✓	✓		✓			7.131
14	103		17.4	20	19.9	✓	32.3238		✓				✓	✓		✓			5.819
15	104		16.9	15	15.7	✓	31.8384		✓				✓	✓		✓			5.857
16	105		17.4	10	10.2	✓	31.7518		✓				✓	✓		✓			5.690
17	106		17.4	5	5.4	✓	31.7477		✓				✓	✓		✓			5.669
18	107		17.4	0	1.1	✓	31.7474		✓				✓	✓		✓			5.673
19		TARA		5m	5.9	✓	31.7473		✓				✓	✓		✓			
20		MARK		36.9	Trans: minimum								✓	✓		✓			
21				36.7		✓							✓	✓		✓			
22																			
23																			

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 33
Cast # up: 34

Time LOC UTC
Begin: 1535
Bottom: 1547
End:

START POSITION (GPS)
LAT: 48° 57.94
LONG: 130° 39.89

BOTTOM POSITION (GPS)
LAT: 48° 57.96
LONG: 130° 39.89

END POSITION (GPS)
LAT: 48° 58.03
LONG: 130° 40.08

Comments: #92 Oxy not shaken enough.

Rosette Log

CRUISE ID:

9715

UTC DATE y/m/d:

97/08/31

SHIP: Tully

STATION NAME:

P16 deep

CAST NO.:

42

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		Serial #	°C / dbar
1	108	1032	1.6	8-10	3679.5	✓ 34.6640	✓					✓	✓					2.761
2	109	1036	1.6	3250	3249.3	✓ 34.6575												2.563
3	110	1039	1.6	3000	2999.0	✓ 34.6493												2.411
4	111	1045	1.6	2750	2750.4	✓ 34.6397												2.182
5	112	1052	1.7	2500	2500.6	✓ 34.6241												1.869
6	113	1062	1.8	2250	2249.4	✓ 34.6092												1.634
7	114	1090	1.9	2000	2000.0	✓ 34.5864												1.307
8	115	1103	2.1	1750	1751.4	✓ 34.5438												.878
9	116	1104	2.3	1500	1501.0	✓ 34.5030	✓											.613
10	117	1105	2.6	1250	1251.2	✓ 34.4343												.333
11	118	1106	3.0	1000	1001.8	✓ 34.3556			✓	✓	✓							.343
12	119	1110	3.4	800	798.6	✓ 34.2680												.410
13	120	1122	3.7	600	600.9	✓ 34.1577									✓	✓		.631
14	121	1113	4.3	400	400.7	✓ 33.9796												1.537
15	122	1114	4.8	300	300.3	✓ 33.8797												2.304
16	123	1119	5.9	200	199.6	✓ 33.8634												3.376
17	124	1126	6.5	150	151.6	✓ 33.8440												4.118
18	125	1128	6.8	100	100.7	✓ 33.3285												5.270
19	126	1130	7.0	75	75.4	✓ 32.8303												6.553
20	127	1132	8.4	50	51.0	✓ 32.5064												6.908
21	128	1133	15.8	25	25.7	✓ 32.4516												6.066
22	129	1134	16.5	10	9.7	✓ 32.4936												5.753
23	130	1135	16.5	0	.6	✓ 32.4943	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		5.745

ENTERED BY: Jhe

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC

Begin: 11:07

Bottom: 12:21:02

End:

START POSITION (GPS)

LAT: 4916.98

LONG: 13440.16

BOTTOM POSITION (GPS)

LAT: 4916.99

LONG: 13440.12

END POSITION (GPS)

LAT:

LONG:

Comments:

Rosette Log

CRUISE ID:

9715

UTC DATE y/m/d:

31/8/97

SHIP:

STATION NAME:

P16 shallow

CAST NO.:

44

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		PDO		Serial #	°C / dbar
1	131		4.3	400	405.1	✓ 33.9905		✓				✓	✓		✓			1.545
2	132		4.7	300	299.7	✓ 33.9101												2.196
3	133		5.2	250	249.8	✓ 33.8900												2.689
4	134		5.9	200	199.2	✓ 33.8882												3.238
5	135		6.2	175	174.8	✓ 33.8888												3.673
6	136		6.6	150	150.7	✓ 33.8536												4.145
7	137		6.9	125	125.4	✓ 33.8014												4.589
8	138		6.8	100	100.1	✓ 33.3811								✓				5.150
9	139		6.8	80	79.5	✓ 32.9060												6.247
10	140		7.5	60	59.8	✓ 32.7488												6.579
11	141		8.1	50	50.1	✓ 32.6713												6.767
12	142		9.8	40	40.0	✓ 32.6381												6.962
13	143		11.5	30	29.9	✓ 32.5688												7.051
14	144		16.4	20	19.8	✓ 32.4863												6.127
15	145		16.4	15	14.9	✓ 32.4984												5.809
16	146		16.5	10	10.1	✓ 32.4973												5.780
17	147		16.5	5	5.2	✓ 32.4975												5.784
18	148		16.5	0	.5	✓ 32.4957												5.842
19	TARA		16.5	5	5.5	✓ 32.4977												
20	MARK		11.9	35	36.1	✓ 32.5733												
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

MARIE

Bottom Depth:

Cast # down:

43

Cast # up:

44

Time

LOC

UTC

Begin:

1801

Bottom:

1808

End:

1832

START POSITION (GPS)

LAT: 49° 16.98

LONG: 134° 40.07

BOTTOM POSITION (GPS)

LAT: 49° 16.99

LONG: 134° 39.99

END POSITION (GPS)

LAT: 49° 17.02

LONG: 134° 40.06

Comments:

Rosette Log

CRUISE ID: 9715
STATION NAME: P20

UTC DATE y/m/d: 1/9/97
CAST NO.: 52

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip	Confirmed	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
					pressure	Salinity		OXY		CI3		NUT		CHL	PH			
1	172		4.1	400	401.1	✓ 34.0166		✓				✓	✓		✓			1501
2	173		4.5	300	300.2	✓ 33.9355												1698
3	174		4.7	250	249.9	✓ 33.8985												2297
4	175		5.2	200	200.8	✓ 33.8791												2702
5	176		5.5	175	174.7	✓ 33.8733												2839
6	177		5.9	150	149.5	✓ 33.8511												3273
7	178		6.1	125	124.9	✓ 33.8013												3643
8	179		6.2	100	100.1	✓ 33.6588									✓			4200
9	180		6.6	80	80.0	✓ 32.9509									1			5582
10	181		7.1	60	60.7	✓ 32.6850												6641
11	182		7.5	50	50.3	✓ 32.6152												6809
12	183		8.5	40	40.4	✓ 32.5902												7221
13	184		12.0	30	30.2	✓ 32.5412												7051
14	185		15.8	20	19.4	✓ 32.3324												6098
15	186		15.9	15	14.3	✓ 32.3374												5917
16	187		15.9	10	10.4	✓ 32.3381												5931
17	188		15.9	5	5.2	✓ 32.3377												5952
18	189		15.9	0	.5	✓ 32.3362		✓				✓	✓	✓	✓			5915
19	TARA			5		✓												
20	MARK			35		✓												
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 3937

Cast # down: 51
Cast # up: 52

Time	LOC	UTC
Begin:		1626
Bottom:		1636
End:		1700

START POSITION (GPS)
LAT: 49° 34.02
LONG: 138° 40.11

BOTTOM POSITION (GPS)
LAT: 49° 33.98
LONG: 138° 40.16

END POSITION (GPS)
LAT: 49° 33.95
LONG: 138° 40.15

Comments:

Rosette Log

CRUISE ID:

9715

UTC DATE y/m/d:

97/09/01

SHIP:

STATION NAME:

P20

CAST NO.:

54

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
1	149	1032	1.5	13-10	4022.9	✓ 34.6730		✓				✓	✓					2.922
2	150	1036	1.5	3500	3498.7	✓ 34.6660												2.830
3	151	1039	1.6	3000	2999.2	✓ 34.6522												2.499
4	152	1045	1.6	2750	2748.1	✓ 34.6411												2.299
5	153	1052	1.7	2500	2499.2	✓ 34.6252												1.937
6	154	1062	1.8	2250	2252.2	✓ 34.6070												1.611
7	155	1090	1.9	2000	1998.8	✓ 34.5820												1.272
8	156	1103	2.1	1750	1750.1	✓ 34.5504												.903
9	157	1104	2.3	1500	1499.9	✓ 34.5057	✓											.557
10	158	1105	2.6	1250	1250.2	✓ 34.4466												.359
11	159	1106	2.9	1000	999.7	✓ 34.3762			✓	✓	✓							.337
12	160	1110	3.3	800	798.5	✓ 34.2945												.385
13	161	1122	3.7	600	600.2	✓ 34.1708									✓	✓		.649
14	162	1113	4.1	400	399.0	✓ 34.0241												.1377
15	163	1114	4.5	300	300.3	✓ 33.9321												.1761
16	164	1119	5.3	200	198.2	✓ 33.8729												2.855
17	165	1126	5.8	150	149.0	✓ 33.8488												3.401
18	166	1128	6.2	100	100.8	✓ 33.6973												4.074
19	167	1130	6.5	75	75.8	✓ 32.9645												5.878
20	168	1132	7.3	50	50.1	✓ 32.6333												6.775
21	169	1133	11.0	25	24.7	✓ 32.5417												7.193
22	170	1134	15.9	10	10.1	✓ 32.3406												6.045
23	171	1135	15.9	0	.7	✓ 32.3439	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		6.004

Comments: no water seal on oxygen flasks, flasks not shaken enough.

ENTERED BY:

CHECKED BY:

Bottom Depth: 3939.

Cast # down: 53

Cast # up: 54

Time LOC UTC

Begin: 21 44

Bottom: 22 53

End: 00 18

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 33.97

LONG: 138 40.15

END POSITION (GPS)

LAT:

LONG:

Rosette Log

CRUISE ID:

9715

UTC DATE y/m/d:

97/09/03

SHIP:

STATION NAME:

P26

CAST NO.:

68

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	190	1032	1.5	8-10	4316.5	✓ 34.6794		✓				✓	✓					3.231
2	191	1036	1.5	4000	4000.7	✓ 34.6763												3.141
3	192	1039	1.5	3500	3500.0	✓ 34.6672												2.909
4	193	1045	1.6	3000	2999.5	✓ 34.6520												2.513
5	194	1052	1.6	2750	2749.5	✓ 34.6395												2.235
6	195	1062	1.7	2500	2502.2	✓ 34.6248												1.942
7	196	1090	1.8	2250	2250.9	✓ 34.6056												1.612
8	197	1103	1.9	2000	2000.3	✓ 34.5798												1.265
9	198	1104	2.1	1750	1749.1	✓ 34.5470												948
10	199	1105	2.3	1500	1499.8	✓ 34.5006	✓											541
11	200	1106	2.6	1250	1249.7	✓ 34.4441												406
12	201	1110	2.9	1000	1000.2	✓ 34.3817			✓	✓	✓							423
13	202	1122	3.1	800	800.6	✓ 34.3131												465
14	203	1113	3.5	600	599.3	✓ 34.1982									✓	✓		608
15	204	1114	4.0	400	399.8	✓ 34.0300												1292
16	205	1119	4.1	300	300.4	✓ 33.9287												1.837
17	206	1126	4.4	200	199.6	✓ 33.8099												2.816
18	207	1128	4.8	150	151.5	✓ 33.7066												4.017
19	208	1130	5.1	100	100.5	✓ 32.8003												4.714
20	209	1132	5.6	75	75.7	✓ 32.7160												7.003
21	210	1133	6.8	50	49.4	✓ 32.6722												7.268
22	211	1134	14.9	25	25.1	✓ 32.5079												5.989
23	212	1135	14.9	0	1.8	✓ 32.5275	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		5.966

ENTERED BY:

CHECKED BY:

Bottom Depth: 4216

Cast # down: 67

Cast # up: 68

Time LOC UTC

Begin: 10:11

Bottom: 1142

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 59.96

LONG: 145 00.03

END POSITION (GPS)

LAT:

LONG:

Comments:

Rosette Log

CRUISE ID:

9715

UTC DATE y/m/d:

97/09/03

SHIP:

STATION NAME:

MP26

CAST NO.:

70

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
1	213		4.0	401	400.8	✓33.9961		✓				✓	✓			✓		1245
2	214		4.1	300	301.8	✓33.9367												1755
3	215		4.2	250	249.2	✓33.8744												2166
4	216		4.4	200	201.4	✓33.8248												2702
5	217		4.5	175	174.7	✓33.7795												3208
6	218		4.8	150	147.6	✓33.7253												3938
7	219		4.9	125	124.1	✓33.4920												4709
8	220		4.9	100	104.3	✓32.7576								✓				6905
9	221		5.3	80	83.0	✓32.7074												7075
10	222		6.2	60	59.8	✓32.6821												7179
11	223		6.8	50	49.1	✓32.6729												7273
12	224		7.8	40	38.7	✓32.6566												7332
13	225		8.9	30	30.5	✓32.6435												7303
14	226		14.8	20	19.4	✓32.5051												6040
15	227		14.9	15	15.0	32.5217												6017
16	228		14.9	10	15.0	✓32.5217												6014
17	229		14.9	5	10.3	✓32.5228												6015
18	230		14.9	0	4.3	✓32.5216		✓				✓	✓	✓		✓		6017
19	231		14.9		2.9	✓32.5213												6010
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 4355

Cast # down: 69

Cast # up: 70

Time LOC UTC

Begin: 0110

Bottom: 0119

End: 0136

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 4959.59

LONG: 145 00.66

END POSITION (GPS)

LAT:

LONG:

Comments: 19 BOTTLES FIRED PROBABLY TWO AT 15 m.

Rosette Log

CRUISE ID:

9715

UTC DATE y/m/d:

97/09/07

SHIP: Tully

STATION NAME:

MS05

CAST NO.:

82

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure		
					Trip pressure	Confirmed Salinity	etc		TCO	ALK	NH4	SAL	POC						
							DMS	OXY									C13	NUT	CHL
1	232		4.37	400	399.8	✓	33.9658	✓	✓				✓	✓					1823
2	233		4.92	300	299.7	✓	33.8964	1	1				1	1					2.463
3	234		5.31	250	250.9	✓	33.8646	1	1										3.067
4	235		5.86	200	200.7	✓	33.8405												3.812
5	236		6.01	175	175.6	✓	33.8036												4.310
6	237		6.35	150	150.1	✓	33.7995												4.540
7	238		6.57	125	126.0	✓	33.7407												4.942
8	239		6.83	100	100.9	✓	33.2866								✓				5.951
9	240		6.77	80	80.3	✓	32.9452												6.626
10	241		7.13	60	60.1	✓	32.9087												6.780
11	242		8.22	50	49.3	✓	32.9254												6.825
12	243		9.19	40	40.1	✓	32.9403												6.867
13	244		14.39	30	30.0	✓	32.5549			✓	✓	✓				✓	✓	+Pr Prod	6.980
14	245		15.17	20	20.0	✓	32.5912												5.991
15	246		15.24	12.5	12.7	✓	32.5950			✓	✓	✓				✓	✓	+Pr Prod	5.961
16	247		15.28	7.5	7.4	✓	32.5941												5.961
17	248		15.28	2.5	2.3	✓	32.5937	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	+Pr Prod	5.960
18			15.28	2.5	2.3	✓	32.5939	POC, N, POP,											
19		OOE	15.28	2.5	1.7	✓	32.5936	BS, Picopl, HPLC, CHL(DMF)											
20		" Control "	15.28	2.5	1.9	✓	32.5938	Phyto incubations											
21		samples	15.28	2.5	2.1	✓	32.5938	Bacteria, Fe uptake											
22			15.29	12.5	12.8	✓	32.5950	" , POC, N, HPLC, CHL(DMF)											
23																			

ENTERED BY:

CHECKED BY:

Bottom Depth: 4607

Cast # down: 81

Cast # up: 82

Time LOC UTC

Begin:

Bottom: 21:03:57

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 47 27.02

LONG: 144 59.03

END POSITION (GPS)

LAT:

LONG:

Comments:

Rosette Log

CRUISE ID:

9715

UTC DATE y/m/d:

97/09/10

SHIP: Tully

STATION NAME:

MS05

CAST NO.:

89

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	249	1143	1.6	B-20	4720.2	✓ 34.6540		✓				✓	✓				wrong data	3.258
2	250	1144	1.5	4000	3998.3	✓ 34.6499												3.150
3	251	1145	1.5	3500	3496.5	✓ 34.6417									small bubble poor.			2.961
4	252	1146	1.6	3000	2797.0	✓ 34.6244												2.472
5	253	1148	1.6	2750	2749.6	✓ 34.6136												2.212
6	254	1150	1.7	2500	2500.0	✓ 34.5957												1.852
7	255	1152	1.8	2250	2250.0	✓ 34.5765												1.514
8	256	1153	2.0	2000	1999.7	✓ 34.5532												1.189
9	257	1154	2.1	1750	1749.7	✓ 34.5180												.803
10	258	1155	2.3	1500	1503.0	✓ 34.4720												.470
11	259	1157	2.6	1250	1250.3	✓ 34.4132												.325
12	260	1158	3.0	1000	1000.5	✓ 34.3356												.339
13	261	1160	3.3	800	800.9	✓ 34.2520												.544
14	262	1167	3.8	600	600.3	✓ 34.1445												.819
15	263	1168	4.4	400	400.0	✓ 33.9731												1.735
16	264	1169	4.6	300	299.5	✓ 33.8726												2.422
17	265	1171	5.9	200	200.8	✓ 33.8547												3.654
18	266	1173	6.5	150	147.7	✓ 33.8094												4.590
19	267	1174	6.7	100	99.3	✓ 33.0407												6.491
20	268	1175	7.0	75	74.5	✓ 32.9509												6.696
21	269	1176	8.2	50	49.8	✓ 32.9427												6.817
22	270	1177	15.1	25	25.0	✓ 32.5784												6.234
23	271	1178	15.3	10	8.9	✓ 32.5905												5.972

Comments: 24/272 1180 15.6 0 1.3 ✓ 32.5871

5.943

ENTERED BY:

CHECKED BY:

Bottom Depth: 4740 db / 4680 m

Cast # down: 87488

Cast # up: 89

Time LOC UTC

Begin:

Bottom: 22:03:41

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 47 29.99

LONG: 144 59.97

END POSITION (GPS)

LAT:

LONG:

stopped at 1500 for 5 min. to put pump sampling at 10 db.
Bottom bottle in nepheloid layer

Rosette Log

CRUISE ID:

9715

UTC DATE y/m/d:

97/09/12

SHIP:

TULLY

STATION NAME:

P26

CAST NO.:

92

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	DS	OXY	TCO	C13	ALK	NUT	SAL	CHL	POC		Serial #	°C / dbar
1	273		4.0	400	402.6	✓ 34.0084	✓	✓				✓	✓					1.316
2	274		4.0	300	301.2	✓ 33.8871												1.810
3	275		4.1	250	251.9	✓ 33.8298												2.179
4	276		4.3	200	200.7	✓ 33.7690												2.824
5	277		4.5	175	174.7	✓ 33.7256												3.383
6	278		4.6	150	150.2	✓ 33.6984												3.855
7	279		5.1	125	124.5	✓ 33.4873												4.779
8	280		4.9	100	99.8	✓ 32.8346								✓				6.574
9	281		5.2	80	79.2	✓ 32.6872												7.061
10	282		5.9	60	59.3	✓ 32.6758												7.104
11	283		6.7	50	49.7	✓ 32.6373												7.239
12	284		8.1	40	39.5	✓ 32.6356												7.319
13	285		10.6	30	28.9	✓ 32.5787												6.939
14	286		14.6	20	19.7	✓ 32.4621												6.086
15	287		14.7	15	15.6	✓ 32.4661												6.047
16	288		14.7	10	9.3	✓ 32.4680												6.166
17	289		14.7	5	5.3	✓ 32.4686												6.056
18	290		14.8	0	.2	✓ 32.4669	↓	↓				↓	↓	↓				6.043
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

Z.W.

CHECKED BY:

Bottom Depth: 4231 m

Cast # down: 91

Cast # up: 92

Time LOC UTC

Begin: 1959

Bottom: 2007

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 50 02.5'

LONG: 144 54.93

END POSITION (GPS)

LAT:

LONG:

Comments:

Rosette Log

CRUISE ID:

9715

UTC DATE y/m/d:

97/09/17

SHIP:

Tully

STATION NAME:

P4

CAST NO.:

132

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	291		2.7	B-20	1327.2	✓ 34.4626		✓				✓	✓					1577
2	292		3.4	1000	998.1	✓ 34.3795		✓				✓	✓					1310
3	293	1039	3.9	800	798.3	✓ 34.3131		✓				✓	✓			Co / Ink cranked		
4	294		4.8	600	600.2	✓ 34.1611		✓				✓	✓					485
5	295		5.8	400	397.7	✓ 34.0079		✓				✓	✓					1368
6	296		6.4	300	297.6	✓ 33.9493		✓				✓	✓					2.028
7	297		6.8	250	250.6	✓ 33.9262		✓				✓	✓					2.213
8	298		7.5	200	201.3	✓ 33.8573		✓				✓	✓					2.415
9	299		7.8	175	173.5	✓ 33.7553		✓				✓	✓					2.620
10	300		8.0	150	151.0	✓ 33.6881		✓				✓	✓					2.892
11	301		8.1	125	126.1	✓ 33.3895		✓				✓	✓					2.830
12	302		8.2	100	102.0	✓ 33.1637		✓				✓	✓					2.640
13	303		8.6	80	81.1	✓ 32.8209		✓				✓	✓					4.611
14	304		9.1	60	60.0	✓ 32.5472		✓				✓	✓					5.962
15	305	1114	9.6	50	51.3	✓ 32.4716		✓				✓	✓		128.91			6.079
16	306	1119	10.3	40	40.3	✓ 32.4180		✓				✓	✓		129.69	1.063		6.576
17	307		11.2	30	30.8	✓ 32.3918		✓				✓	✓					7.000
18	308		15.6	20	21.1	✓ 31.7809		✓				✓	✓					6.214
19	309		16.3	10	11.0	✓ 31.3111		✓				✓	✓					5.842
20	310		16.0	0	1.1	✓ 31.1790		✓				✓	✓					5.891
21																		
22																		
23																		

ENTERED BY:

J.W.

CHECKED BY:

Bottom Depth: 1354

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0114

Bottom: 0135

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 38.58

LONG: 126 39.82

END POSITION (GPS)

LAT:

LONG:

Comments: