

Rosette Log

CRUISE ID:

9618

UTC DATE y/m/d:

96/8/14

SHIP: Tully

STATION NAME:

S3

CAST NO.:

1/2

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	DO	HS	Serial #	°C / dbar
1	1	1109	9.342	B-5	219	✓	✓	✓	✓			✓	✓			✓	2 trip	camanda
2	2	1110	9.340	210	210	✓	✓	✓	✓			✓	✓			✓		
3	3	—	9.378	200	200	✓		✗				✗	✗			✗		
4	4	—	9.375	200	200	✓		✗				✗	✗			✗		
5	5	—	9.375	200	200	✓		✗				✗	✗			✗		
6	6	1114	9.376	200	200	✓	13.54	✓	✓			✓	✓		✓	✓		
7	7	1119	9.376	190	190	✓	5.90						✓			✓		
8	8	1120	9.435	180	180	✓	15.14						✓			✓		
9	9	1121	9.444	170	170	✓	9.70						✓			✓		
10	10	1122	9.453	160	160	✓	12.76						✓			✓		
11	11	1125	9.453	150	150	✓	7.00						✓			✓		
12	12	1126	9.453	140	140	✓	8.98						✓		✓	✓		
13	13	1128	9.418	125	125	✓	18.39						✓		✓	✓		
14	14	1130	9.358	100	100	✓	43.32						✓	✓	✓	✓		
15	15	1132	9.195	75	75	✓	40.39						✓	✓	✓	✓		
16	16	1133	9.136	50	50	✓	115.05						✓	✓	✓	✓		
17	17	1134	9.669	40	40	✓	140.98						✓	✓	✓	✓		
18	18	1142	10.313	30	30	✓	158.60						✓	✓	✓	✓		
19	19	1135	10.833	20	20	✓	168.12						✓	✓	✓	✓		
20	20	1136	11.609	10	10	✓	217.71						✓	✓	✓	✓		
21	21	1137	12.976	5	5	✓	289.12						✓	✓	✓	✓		
22	22	1138	13.559	0	0	✓	454.02	✓	✓	✓			✓	✓	✓	✓		
23			17.810															

Comments:

JOHN BUUSTER FOR CFCs, Wen Lin for mehalides,

ENTERED BY:

FW

CHECKED BY:

Bottom Depth:

223 db

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

1756

Bottom:

End:

1832

START POSITION (GPS)

LAT: 48 35 56

LONG: 123 30 07

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

190
180
170
160
140
125
100
75
50
40
30
20
10
5
0

Rosette Log

CRUISE ID: 9618
STATION NAME: P 04UTC DATE y/m/d: 76108 X 15
CAST NO.: 13SHIP: 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		DOC		Serial #	°C / dbar
1	23		✓	400	400	✓						✓	✓					
2	24		✓	300	300	✓												
3	25		✓	250	250	✓											009926	6.625
*4	26		✓	200	200	✓												
5	27		✓	175	175	✓												
6	28		✓	150	150	✓												
7	29		✓	125	125	✓												
8	30		✓	100	100	✓								✓				
9	31		✓	80	80	✓								✓				
*10	32		✓	60	60	✓								✓				8.310
11	33		✓	50	50	✓								✓				
12	34		✓	40	40	✓								✓				
13	35		✓	30	30	✓								✓				
14	36		✓	20	20	✓								✓				
15	37		✓	15	15	✓								✓				
16	38		✓	10	10	✓								✓				
17	39		✓	5	5	✓								✓				
18	40		✓	0	0	✓								✓				
19	41																	
20	42																	
21																		
22																		
23																		

ENTERED BY: 712
CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:	20:36	
End:		

START POSITION (GPS)	
LAT:	
LONG:	

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)	
LAT:	
LONG:	

Comments:

4 bottles for Delphinal at trans. minimum

Rosette Log

CRUISE ID: 9618
STATION NAME: P04UTC DATE y/m/d: 96/08/15
CAST NO.: 1415SHIP: TOWNY

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	43			250	250	✓												
2	44			250	250	✓												
3	45			250	250	✓												
4	46			200	201	✓												
5	47			200	201	✓												
6	48			200	201	✓												
7	49			175	175	✓												
8	50			175	175	✓												
9	51			175	175	✓												
10	52			150	148	✓												
11	53			150	148	✓												
12	54			125	125	✓												
13	55			125	125	✓												
14	56			100	100	✓												
15	57			100	100	✓												
16	58			75	74	✓												
17	59			75	74	✓												
18	60			50	51	✓												
19	61			50	51	✓												
20	62			25	25	✓												
21	63			25	25	✓												
22	64			10	10	✓												
23	65			Surface	0	✓												

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		23:26
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

salinity not working - caps on

Rosette Log

CRUISE ID: 9618
STATION NAME: POYUTC DATE y/m/d: 96/08/16
CAST NO.: 16/17SHIP: 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	66			100	100.0	✓													
2	67			100	100.0	✓													
3	68			100	100.0	✓													
4	69			100	100.0	✓													
5	70			10	10.0	✓													
6	71			10	10.0	✓													
7	72			10	10.0	✓													
8	73			10	10.0	✓													
9	74			10	10.0	✓													
10	75			10	10.0	✓													
11	76			10	10.0	✓													
12	77			10	10.0	✓													
13	78			10	10.0	✓													
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC

Begin:

Bottom: 01:13

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

Rosette Log

CRUISE ID:

9618

UTC DATE y/m/d:

96/08/16

SHIP: TULLY

STATION NAME:

P04

CAST NO.:

19

	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		DOC	
								Ba	OXY		Cl3		NUT		CHL		180	DON	Serial # °C / dbar
580.39	1	79	1154	2.858	B-20	✓ 1300	✓ 34.532		✓				✓	✓			✓		
16.83	2	80	1155	3.138	1200	✓ 1200	✓ 34.494		✓					✓			✓		
10.13	3	81	1157	3.664	1000	✓ 1000	✓ 34.418	✓	✓	✓	✓	✓		✓			✓		
10.37	* 4	82	1158	4.109	800	✓ 800	✓ 34.330	✓									✓		* 00926 6.968
0.00	5	83	1160	4.744	600	✓ 600	✓ 34.210	✓									✓	✓	
21.76	6	84	1161	5.621	400	✓ 400	✓ 34.077	✓									✓	✓	
55.07	7	85	1163	6.269	300	✓ 300	✓ 34.041	✓									✓	✓	
79.90	8	86	1164	6.901	200	✓ 200	✓ 33.945	✓									✓	✓	
106.14	9	87	1166	7.527	150	✓ 150	✓ 33.886	✓									✓	✓	
117.30	* 10	88	1167	8.166	100	✓ 100	✓ 33.482	✓									✓	✓	* 7.513
152.24	11	89	1168	8.844	75	✓ 75	✓ 32.973	✓									✓	✓	
209.16	12	90	1169	9.399	50	✓ 50	✓ 32.551	✓									✓	✓	
278.47	13	91	1171	12.343	25	✓ 25	✓ 32.244	✓									✓	✓	
276.59	14	92	1173	12.228	25	✓ 25	✓ 32.258	✓									✓	✓	
270.15	15	93	1174	14.48	10	✓ 10	✓ 32.152	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
269.14	16	94	1175	15.437	0	✓ 0	✓ 31.982												
	17																		
	18																		
	19																		
	20																		
	21																		
	22																		
	23																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC

Begin: 20:55

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Rosette Log

CRUISE ID: 9618
STATION NAME: P4UTC DATE y/m/d: 1996/Aug 17
CAST NO.: 21SHIP: 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	95			500	300	✓												
2	96			300	300	✓												
3	97			150	150	✓												
4	98			150	150	✓												
5	99			75	75	✓												
6	100			75	75	✓												
7	101			50	50	✓												
8	102			50	50	✓												
9	103			25	25	✓												
10	104			25	25	✓												
11	105			10	10	✓												
12	106			10	10	✓												
13	107			2	2	✓												
14	108			2	2	✓												
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:Bottom Depth: 1323

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		<u>14:06</u>
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: <u>48 38.74</u>
LONG: <u>126 39.44</u>

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID:

9618

UTC DATE y/m/d:

1996/08/18

SHIP: Tully

STATION NAME:

P12

CAST NO.:

40

O₂
M/Kg

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	DOC	Serial #	°C / dbar
104.51	1	109	1244	1.639	B-20	3009	✓	34.706	✓				✓	✓				
99.66	2	110	1246	1.638	3000	3000	✓	34.706	✓				✓	✓				
95.28	3	111	1247	1.660	2750	2750	✓	34.698	✓				✓					
90.29	4	112	1248	1.699	2500	2500	✓	34.689	✓									
73.16	5	113	1252	1.815	2250	2250	✓	34.666	✓									
59.92	6	114	1253	1.935	2000	2000	✓	34.642	✓									
45.88	7	115	1254	2.107	1750	1750	✓	34.609	✓									
32.68	8	116	1255	2.335	1500	1508	✓	34.567	✓						✓		146.3	
16.80	9	117	1256	2.711	1250	1250	✓	34.499	✓								143.93	
13.25	10	118	1257	3.132	1000	1000	✓	34.424	✓	✓	✓	✓					*	
13.77	11	119	1258	3.577	800	800	✓	34.336	✓									
26.10	12	120 *	1260	4.077	600	595	✓	34.206	✓							✓		
54.09	13	121	1261	4.589	400	400	✓	34.041	✓							✓		
95.89	14	122	1262	5.072	300	300	✓	33.953	✓									
127.35	15	123	1264	6.285	200	200	✓	33.921	✓									
171.10	16	124	1265	6.927	150	150	✓	33.687	✓									
289.06	* 17	125	1266	7.700	100	100	✓	32.749	✓									
303.72	18	126	1268	8.563	75	75	✓	32.670	✓									
288.74	19	127	2000	11.427	50	50	✓	32.441	✓									
256.46	20	128	2001	13.235	25	25	✓	32.468	✓									
256.85	21	129	2002	16.061	10	10	✓	32.088	✓									
	22	130	2012	16.066	0	0	✓	32.160	✓	✓	✓	✓	✓	✓	✓	✓	0	
	23																	

ENTERED BY: JW

CHECKED BY:

Bottom Depth: 3019

Cast # down: 39

Cast # up: 40

Time LOC UTC

Begin:

Bottom: 23:57:52

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48° 57.89 N

LONG: 130° 40.61 W

END POSITION (GPS)

LAT:

LONG:

1256 143.93

1073

Comments: Bottle 17 didn't trip at the proper depth

* PLANKTON IN O₂ # 120

17 = 75 M 18 = 50 M 19 = 25 M 20 = 10 M 21 = Surface

No O₂ in 130

No sample # 130.

O₂ SAMPLES RUN 0600 AUG 20/96

Rosette Log

CRUISE ID: 9618
STATION NAME: D12

UTC DATE y/m/d: 96/08/19
CAST NO.: 44

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure			
					Trip pressure	Confirmed Salinity	pH	Ba	OXY	TCO	C13	ALK	NUT	SAL	CHL	POC	DMS	Serial #	°C / dbar	
1	130			400	400	✓		✓						✓	✓			✓		
2	131			300	300	✓		✓										✓		
3	132			250	250	X		✓										✓		
4	133			200	200	✓		✓										✓		
5	134			175	175	✓												✓		
6	135			150	150	✓		✓										✓		
7	136			125	125	✓												✓		
8	137			100	100	✓		✓								✓		✓		
9	138			80	80	✓										✓		✓		
* 10	139			60	60	✓		✓								✓		✓	T577	8.038
11	140			50	50	✓		✓								✓		✓		
12	141			40	40	✓		✓								✓		✓		
13	142			30	30	✓		✓								✓		✓		
14	143			20	20	✓		✓								✓		✓		
15	144			15	14	✓										✓		✓		
16	145			10	9	✓		✓								✓		✓		
17	146			5	5	✓										✓		✓		
18	147			0	0	✓										✓		✓		
19																				
20																				
21																				
22																				
23																				

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC
Begin:
Bottom: 19:44
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9618
STATION NAME: P12UTC DATE y/m/d: 96/08/19
CAST NO.: 46SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC	OXY	TCO	C13	ALK	NUT	SAL	CHL	POC		Serial #	°C / dbar
1	148			200	200	✓												
2	149			200	200	✓												
3	150			200	200	✓												
4	151			175	175	✓												
5	152			175	175	✓												
6	153			175	175	✓												
7	154			125	125	✓												
8	155			125	125	✓												
9	156			125	125	✓												
10	157			100	100	✓												
11	158			100	100	✓												
12	159			100	100	✓												
13	160			75	75	✓												
14	161			75	75	✓												
15	162			75	75	✓												
16	163			50	50	✓												
17	164			50	50	✓												
18	165			50	50	✓												
19	166			25	25	✓												
20	167			25	25	✓												
21	168			10	10	✓												
22	169			10	10	✓												
23	170			0	0	✓												

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		21:17
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9618
STATION NAME: P12

UTC DATE y/m/d: 9/08/20
CAST NO.: 48

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	15			300 m	300	✓														
2				300 m	300	✓														
3				150	150	✓														
4				150	150	✓														
5				75	75	✓														
6				75	75	✓														
7				50	50	✓														
8				50	50	✓														
9				30	30	✓														
10				25	25	✓														
11				25	25	✓														
12				10	10	✓														
13				10	10	✓														
14				0	2	✓														
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				

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:

Comments:

154
71
83

Rosette Log

CRUISE ID: 9618
STATION NAME: P16

UTC DATE y/m/d: 96/08/21
CAST NO.: 60

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	148			600	599	✓						✓	✓		✓			
2	149			400	400	✓												
3	150			300	299	✓												
4	151			250	249	✓												
5	152			200	198	✓												
* 6	153			175	175	✓												
7	154			150	150	✓												
8	155			125	125	✓												
9	156			100	100	✓												
10	157			80	80	✓												
11	158			60	59	✓												
12	159			50	49	✓												
13	160			40	40	✓												
14	161			30	30	✓												
15	162			20	20	✓												
16	163			15	15	✓												
17	164			10	10	✓												
18	165			5	3	✓												
19	166			0	0	✓												
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC
Begin:
Bottom: 18:36
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: * HAD TO GIVE 2 TRIGGER COMMANDS

Rosette Log

CRUISE ID: 9618
STATION NAME: P16

UTC DATE y/m/d: 96/08/21
CAST NO.:

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			200	✓												
	2	200			200	✓												
	3	200			200	✓												
	4	200			200	✓												
	5	150			150	✓												
	6	150			150	✓												
	7	150 150			150	✓												
	8	125			125	✓												
	9	125			125	✓												
	10	125			125	✓												
	11	100			100	✓												
	12	100			100	✓												
	13	100			100	✓												
	14	75			75	✓												
*	15	75			75	✓												
	16	75			75	✓												
	17	50			50	✓												
	18	50			50	✓												
*	19	25			25	✓												
	20	25			25	✓												
	21	10			10	✓												
	22	10			10	✓												
x	23	Sfc																

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:

Comments:

* TRIGGERS NOT CONFIRMED - COULD HAVE AN EXTRA TRIP AT EITHER OF THESE DEPTHS
NO BOTTLE TRIPPED ON SURFACE

Rosette Log

CRUISE ID:

9618

UTC DATE y/m/d:

96/8/22

SHIP:

Tully

STATION NAME:

P16

CAST NO.:

66

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	ere Ba		TCO OXY		ALK C13		SAL NUT		CHL	DOC	Serial #	°C / dbar
1	167	1206	1.6	B-20	3678	✓ 34.7152	✓						✓	✓				
2	168	1208	1.6	3500	3500	✓ 34.7119												
3	169	1209	1.6	3000	3001	✓ 34.6981												
4	170	1210	1.6	2750	2750	✓ 34.6891											.400	
5	171	1211	1.7	2500	2498	✓ 34.6730												
6	172	1213	1.8	2250	2250	✓ 34.6544												
7	173	1214	1.9	2000	2000	✓ 34.6297												
8	174	1216	2.1	1750	1748	✓ 34.5949												
9	175	1217	2.4	1500	1497	✓ 34.5453									✓		.100	
10	176	1218	2.7	1250	1251	✓ 34.4857												
11	177	1219	3.1	1000	1000	✓ 34.4029	✓	✓	✓	✓								
12	178	1221	3.6	800	800	✓ 34.3319	✓											
13	179	1222	4.0	600	599	✓ 34.1797	✓									✓		
14	180	1223	4.6	400	400	✓ 34.0179	✓											
15	181	1224	5.0	300	299	✓ 33.9481	✓											
16	182	1225	6.0	200	200	✓ 33.9035	✓											
17	183	1226	6.6	150	149	✓ 33.7916	✓											
18	184	1228	7.3	100	99	✓ 32.9172	✓											
19	185	1229	7.7	75	75	✓ 32.6137	✓											
20	186	1231	9.1	50	50	✓ 32.5853	✓											
21	187	1233	13.7	25	24	✓ 32.4763	✓											
22	188	1234	14.8	10	10	✓ 32.3866	✓											
23	189	1235	14.9	0	1	✓ 32.3871	✓	✓	✓	✓	✓	✓	✓	✓	✓			

Comments: O₂ ANALYSIS: Aug 22: 2000 hrs.

ENTERED BY:

FW

CHECKED BY:

Bottom Depth: 3660

Cast # down:

Cast # up:

Time LOC UTC

Begin:

Bottom: 15:02:17

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49°17.16 N

LONG: 134°40.46 W

END POSITION (GPS)

LAT:

LONG:

.051

.359

400

Rosette Log

CRUISE ID:

9618

UTC DATE y/m/d:

Aug 22

STATION NAME:

P16

CAST NO.:

68

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	300	✓												
2				300	300	✓												
3				150	149	✓												
4				150	149	✓												
5				75	75	✓												
6				75	75	✓												
7				50	49	✓												
8				50	49	✓												
9				40	40	✓												
10				25	23	✓												
11				25	23	✓												
12				10	10	✓												
13				10	10	✓												
14				2	2	✓												
15				2	2													
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 68

Cast # up: 68

Time LOC UTC

Begin: 18:50

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

Rosette Log

CRUISE ID: 9618
STATION NAME: P17

UTC DATE y/m/d: 96/8/22
CAST NO.: 70

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	190			100	100	✓												
2	191			75	75	✓												
3	192			50	50	✓												
4	193			25	24	✓												
5	194			10	10	✓												
6	195			0	1.5	✓												
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY: FW
CHECKED BY:

Bottom Depth: 3560

Cast # down:
Cast # up:

Time LOC UTC
Begin:
Bottom: 23:53
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: ROSETTE TO 200m, CTD to 3000m

Rosette Log

CRUISE ID: 9618
STATION NAME: P18

UTC DATE y/m/d: 1996/08/23
CAST NO.: 76

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
							OXY		C13		NUT		CHL					
1	196			100	100	✓					✓	✓	✓					
2	197			75	75	✓					↓	↓	↓					
3	198			50	50	✓					↓	↓	↓					
4	199			25	25	✓					↓	↓	↓					
5	200			10	10	✓					↓	↓	↓					
6	201			0	0	✓					↓	↓	↓					
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:
Cast # up:

Time LOC UTC
Begin:
Bottom: 07:29
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9618
STATION NAME: P19

UTC DATE y/m/d: 1996/08/23
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	202			100	100	✓ 99.4							✓					
2	203			75	75	✓ 75.5							✓					
3	204			50	50	✓ 50.4							✓					
4	205			25	25	✓ 23.8							✓					
5	206			10	10	✓ 9.4							✓					
6	207			0	1	✓ 1.8							✓					
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: 77
Cast # up: 78/79

Time	LOC	UTC
Begin:		12106
Bottom:		1210
End:		1222

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9618
STATION NAME: P20

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

UBC cast

SHIP: 80227

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				200	199	✓												
2				200	197	✓												
3				200	198	✓												
4				200	197	✓												
5				150	149	✓												
6				150	150	✓												
7				150	149	✓												
8				100	100	✓												
9				100	100	✓												
10				100	99	✓												
11				75	75	✓												
12				75	75	✓												
13				75	75	✓												
14				50	50	✓												
15				50	50	✓												
16				50	50	✓												
17				25	24	✓												
18				25	24	✓												
19				25	25	✓												
20				10	10	✓												
21				10	10	✓												
22				Surface	0	✓												
23				Surface	0	✓												

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:

Comments: * IT TOOK 4 TRIES FOR THE FIRST BOTTLE TO DRAW CURRENT AND TRIP. THE FIRST ONE REGISTERED. BUT NO CURRENT.

Rosette Log

CRUISE ID:

9618

UTC DATE y/m/d:

9/6/08/23

SHIP:

TUNNY

STATION NAME:

P20

CAST NO.:

86

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CEC		TCO		ALK		SAL		POC		Serial #	°C / dbar
129.50	1	208	1155	1.5	B-20	3960	✓	34.7282	✓				✓	✓				
129.50	2	209	1157	1.5	3560	3500	✓	34.7197	✓				✓	✓				
109.58	3	210	1158	1.6	3000	3000	✓	34.7040										
99.06	4	211	1160	1.6	2750	2750	✓	34.6931									*T446	1.626
85.49	5	212	1154	1.7	2500	2500	✓	34.6773										
71.89	6	213	1163	1.8	2250	2250	✓	34.6555										
55.91	7	214	1164	1.9	2000	2000	✓	34.6294										
39.34	8	215	1194	2.1	1750	1750	✓	34.5920										
25.34	9	216	1167	2.3	1500	1500	✓	34.5455										
? 25.34	10	217	1168	2.6	1250	1250	✓	34.4875								✓	*T577	2.598
17.34	11	218	1169	3.0	1000	1000	✓	34.4107	✓									
18.66	? 12	219	1171	3.3	800	800	✓	34.3316	✓									
30.49	13	220	1173	3.7	600	600	✓	34.2102	✓									
72.05	14	221	1174	4.2	400	400	✓	34.0478	✓									
101.15	15	222	1175	4.6	300	300	✓	33.9542	✓									
148.42	16	223	1176	5.5	200	200	✓	33.9148	✓									
196.07	17	224	1177	6.0	150	150	✓	33.7782	✓									
279.18	18	225	1178	6.6	100	100	✓	32.8976	✓									
298.99	19	226	1181	7.1	75	75	✓	32.6967	✓									
306.72	20	227	1182	8.3	50	50	✓	32.6519	✓									
279.68	21	228	1183	13.1	25	25	✓	32.1265	✓									
271.74	22	229	1187	14.1	10	10	✓	32.5019	✓									
271.51	23	230	1189	14.1	0	0	✓	32.5079	✓									

Comments: O₂ Run 2130; Aug 23.

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 85

Cast # up: 86

Time LOC UTC

Begin:

Bottom: 21:31:09

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49° 34.11' N

LONG: 138° 39.82' W

END POSITION (GPS)

LAT:

LONG:

Rosette Log

CRUISE ID: 9618
STATION NAME: P20

(CTD)

UTC DATE y/m/d: 96/8/24
CAST NO.: 93

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	DMG	Serial #	°C / dbar
1	231			400	400	✓						✓	✓			✓		
2	232			300	300	✓						✓	✓			✓		
3	233			250	250	✓												
4	234			200	200	✓											T446	5.467
5	235			175	175	✓												
6	236			150	150	✓												
7	237			125	125	✓												
8	238			100	100	✓								✓				
9	239			80	80	✓												
10	240			60	60	✓											T577	7.196
11	241			50	50	✓												
12	242			40	40	✓												
13	243			30	30	✓												
14	244			20	20	✓												
15	245			15	14	✓												
16	246			10	10	✓												
17	247			5	5	✓												
18	248			0	0	✓												
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 92
Cast # up: 93

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

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Nelson's Cast

Rosette Log

CRUISE ID:

9618

UTC DATE y/m/d:

1996/08/25

STATION NAME:

P20

CAST NO.:

94/95

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	300	✓												
2				300	300	✓												
3				150	150	✓												
4				150	150	✓												
5				75	75	✓												
6				75	75	✓												
7				50	50	✓												
8				50	50	-												
9				25-50	50	✓												
10				25	25	✓												
11				10-25	25	✓												
12				10	10	✓												
13				10	10	✓												
14				0-10	10	✓												
15				0	1	✓												
16				0	1	✓												
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 3188

Cast # down: 94

Cast # up: 95

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: 9618
STATION NAME: P21

UTC DATE y/m/d: 96/8/25
CAST NO.: 97

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
							OXY		C13		NUT		CHL					
1	249			100	101	✓						✓	✓	✓				
2	250			75	75	✓						↓	↓	↓				
3	251			50	49	✓						↓	↓	↓				
4	252			25	25	✓						↓	↓	↓				
5	253			10	9	✓						↓	↓	↓				
6	254			0	0	✓						↓	↓	↓				
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY: H.S.
CHECKED BY:

Bottom Depth:

Cast # down: 96
Cast # up: 97

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: 9618
STATION NAME: P 22

UTC DATE y/m/d: 96/08/25
CAST NO.: 99

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	255			100	100	✓						✓	✓	✓				
2	256			75	74	✓												
3	257			50	50	✓												
4	258			25	25	✓												
5	259			10	10	✓												
6	260			0	0	✓												
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: 98
Cast # up: 99

Time LOC UTC
Begin:
Bottom: 22:46
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

BM

Rosette Log

CRUISE ID: 9618.
STATION NAME: P23

UTC DATE y/m/d: 9/6/8/26
CAST NO.: 161

SHIP: TUNNY.

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	261			100	103	✓							✓	✓	✓			
2	262			75	74	✓							↓	↓	↓			
3	263			50	50	✓							↓	↓	↓			
4	264			25	25	✓							↓	↓	↓			
5	265			10	10	✓							↓	↓	↓			
6	266			0	0	✓												
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY: T.S.
CHECKED BY:

Bottom Depth:

Cast # down: 160

Cast # up: 101

Time LOC UTC
Begin:
Bottom: 04:24
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9618
STATION NAME: P 24

UTC DATE y/m/d: 96108124
CAST NO.: 103

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	267			100	100	✓												
2	268			75	75	✓												
3	269			50	50	✓												
4	270			25	23	✓												
5	271			10	10	✓												
6	272			0	0	✓												
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 4000

Cast # down: 102

Cast # up: 103

Time	LOC	UTC
Begin:		9:15
Bottom:		10:00
End:		10:45

START POSITION (GPS)
LAT: 49 50 .30
LONG: 142 39 .92

BOTTOM POSITION (GPS)
LAT: 49 50 .16
LONG: 142 39 .76

END POSITION (GPS)
LAT: 49 50 .15
LONG: 142 39 .47

Comments:

Rosette Log

CRUISE ID: 9618
STATION NAME: P25

UTC DATE y/m/d: 1996/08/26
CAST NO.: 105

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
							OXY		C13		NUT		CHL					
1	273			100	101	✓					✓	✓	✓					
2	274			75	75	✓					↓	↓	↓					
3	275			50	50	✓					↓	↓	↓					
4	276			25	26	✓					↓	↓	↓					
5	277			10	10	✓					↓	↓	↓					
6	278			0	0	✓					↓	↓	↓					
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: 104
Cast # up: 105

Time LOC UTC
Begin:
Bottom:
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Maween's long cast

Rosette Log

CRUISE ID: 9618
STATION NAME: P26

UTC DATE y/m/d: 1996/08/27
CAST NO.: 108/109

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	2000			2000	2005	✓												
2	2000			"	2006	✓												
3	2000			"	2002	✓												
4	2000			"	1998	✓												
5	2000			"	1995	✓												
6	2000			"	1990	✓												
7	2000			"	1990	✓												
8	1000			1000	1000	✓												
9	1000			"	998	✓												
10	1000			"	999	✓												
11	1000			"	999	✓												
12	1000			"	1000	✓												
13	1000			"	1002	✓												
14	500			500	497	✓												
15	500			"	496	✓												
16	500			"	495	✓												
17	500			"	496	✓												
18	500			"	496	✓												
19	250			250	251	✓												
20	250			"	252	✓												
21	250			"	251	✓												
22	250			"	251	✓												
23	250			"	250	✓												

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:

Comments:

Rosette Log

CRUISE ID: 9618
STATION NAME: P26UTC DATE y/m/d: 1996/08/27
CAST NO.: 111SHIP: 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	279		✓	400	400	✓						✓	✓			✓		
2	280		✓	300	302	✓												
3	281		✓	250	250	✓												
4	282		✓	200	198	✓												
5	283		✓	175	174	✓												
6	284		✓	150	149	✓												
7	285		✓	125	124	✓												
8	286		✓	100	99	✓								✓				
9	287		✓	80	79	✓												
10	288		✓	60	60	✓												
11	289		✓	50	50	✓												
12	290		✗	40	40	✓												
13	291		✓	30	30	✓												
14	292		✓	20	19	✓												
15	293		✓	15	14	✓												
16	294		✓	10	10	✓												
17	295		✓	5	5	✓												
18			✓	0	0	✓												
19			✓	0	0	✓												
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 110Cast # up: 111Time LOC UTC
Begin:
Bottom:
End:START POSITION (GPS)
LAT:
LONG:BOTTOM POSITION (GPS)
LAT:
LONG:END POSITION (GPS)
LAT:
LONG:

Comments:

- I took an extra sample at surface, Nisk #18 starts before the rosette is stopped
- the total number of bottles should be 19, but two nisks are not tripped properly

16x24

Rosette Log

CRUISE ID: 9618
STATION NAME: P26

UTC DATE y/m/d: 96108/28
CAST NO.: 125

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	BA	OXY	TCO	CI3	ALK	NUT	SAL	CHL	POC		Serial #	°C / dbar
1	296			1000	1000	✓	✓					✓	✓		✓	✓		
2	297			800	800	✓	✓								✓	✓		
3	98			600	600	✓	✓								✓	✓		
4	99			500	500	✓									✓		* T446	3.785
5	300			400	400	✓	✓								✓	✓		
6	01			300	300	✓	✓								✓	✓		
7	02			250	250	✓										✓		
8	03			200	200	✓	✓								✓	✓		
9	04			175	175	✓										✓		
10	305			150	150	✓	✓									✓	* T577	5.118
11	06			125	126	✓	✓									✓		
12	07			100	100	✓	✓									✓		
13	08			80	80	✓	✓									✓		
14	09			60	59	✓										✓		
15	310			50	47	✓										✓		
16	311			40	40	✓										✓		
17	312			30	30	✓	✓									✓		
18	313			20	20	✓										✓		
19	314			15	15	✓										✓		
20	315			10	10	✓	✓									✓		
21	316			5	5	✓										✓		
22	317			0	5	✓										✓		
23																		

ENTERED BY: JLO
CHECKED BY:

Bottom Depth: 4266

Cast # down: 124
Cast # up: 125

Time	LOC	UTC
Begin:		19:22
Bottom:		19:37
End:		20:13

START POSITION (GPS)
LAT: 50 00.08
LONG: 144 57.62

BOTTOM POSITION (GPS)
LAT: 50 00.07
LONG: 144 57.73

END POSITION (GPS)
LAT: 50 00.04
LONG: 144 57.52

Comments:

Rosette Log

Marianne's short cast
CRUISE ID: 9618
STATION NAME: P26

UTC
UTC DATE y/m/d: 1986/08/29
CAST NO.: 126/127

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
							OXY		C13		NUT		CHL					
1				200	203	✓												
2				200	202	✓												
3				200	204	✓												
4				200	204	✓												
5				200	203	✓												
6				150	147	✓												
7				150	146	✓												
8				150	147	✓												
9				150	146	✓												
10				100	98	✓												
11				100	98	✓												
12			trapped & W.A.	100	98	✓												
13				75	73	✓												
14				75	73	✓												
15				75	73	✓												
16				50	49	✓												
17				50	49	✓												
18			not confirmed	25	23													
19				25	23	✓												
20				10	10	✓												
21				10	10	✓												
22				Surface	0	✓												
23	sfc			Surface	0	✓												

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:

Comments:

Rosette Log

CRUISE ID:

9618

UTC DATE y/m/d:

1996/08/29

STATION NAME:

P26

CAST NO.:

130

SHIP:

Tully

O₂
μMol/Kg

141.52

137.73

127.11

109.09

96.76

82.22

68.23

54.00

38.68

23.89

18.64

21.06

23.39

29.55

61.36

90.56

152.00

203.03

285.76

303.95

309.23

187.9 ‡

255.93

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	DOC	Serial #	°C / dbar
* 1	318	1109	1.5	B-20	4320	✓ 34.724	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
2	319	1110	1.5	4000	4000	✓ 34.713												
3	320	1114	1.6	3500	3502	✓ 34.695												
4	321	1119	1.6	3000	3000	✓ 34.683											T 446	3.785
5	322	1120	1.7	2750	2752	✓ 34.666												
6	323	1122	1.8	2500	2498	✓ 34.646												
7	324	1125	2.0	2250	2249	✓ 34.624												
* 8	325	1126	2.0	2000	1998	✓ 34.626												
9	326	1128	2.1	1750	1750	✓ 34.596												
10	327	1130	2.3	1500	1500	✓ 34.551											T 577	5.110
11	328	1132	2.6	1250	1250	✓ 34.495												
12	329	1133	2.9	1000	1000	✓ 34.421												
13	330	1134	3.2	800	800	✓ 34.338												
14	331	1135	3.6	600	600	✓ 34.227												
15	332	1136	3.9	400	400	✓ 34.059												
16	333	1137	4.1	300	300	✓ 33.957												
17	334	1138	4.7	200	200	✓ 33.840												
18	335	1139	5.2	150	150	✓ 33.761												
19	336	1141	5.6	100	100	✓ 33.171												
20	337	1142	6.3	75	75	✓ 32.850												
21	338	1143	8.0	50	50	✓ 32.797												
22	339	1144	12.7	25	25	✓ 32.599												
23	340	1146	13.4	0	0	✓ 32.621	✓	✓	✓	✓	✓	✓	✓	✓	✓			

Comments: * HAD TO TRIGGER TWICE TO GET CURRENT

* HAD 22 BOTTLES TRIPPED AT THE SURFACE

O₂ ANALYSIS: 1800; Aug 29 (Loc)

‡ REAL END POINT DOSAGE: 1.011 ml.

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 129

Cast # up: 130

Time LOC UTC

Begin:

Bottom: 18:17:55

End: 19:36:18

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 50° 0.45' N

LONG: 145° 0.19' W

END POSITION (GPS)

LAT:

LONG:

Rosette Log

NEWGONS OKYCAST.

CRUISE ID: 9619

STATION NAME: P 26

UTC DATE y/m/d: 96/8/30

CAST NO.: 132

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					
									OXY		C13		NUT		CHL						
1				300	300	✓															
2				300	300	✓															
3				150	150	✓															
4				150	150	✓															
5				75	75	✓															
6				75	75	✓															
7				50	49	✓															
8				50	49	✓															
9				25	25	✓															
10				25	25	✓															
11				20	20	✓															
12				10	10	✓															
13				10	10	✓															
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 131

Cast # up: 132

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

DMS-3

Rosette Log

CRUISE ID:

9618

UTC DATE y/m/d:

31 Aug 1996

SHIP: Tully

STATION NAME:

P26

CAST NO.:

134

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	341			400	401	✓						✓	✓		✓			
2	342			300	301	✓												
3	343			250	250	✓												
4	344			200	200	✓												
5	345			175	174	✓												
6	346			150	150	✓												
7	347			125	125	✓												
8	348			100	100	✓												
9	349			80	80	✓												
10	350			60	60	✓												
11	351			50	50	✓												
12	352			40	40	✓												
13	353			30	30	✓												
14	354			20	20	✓												
15	355			15	15	✓												
16	356			10	10	✓												
17	357			5	5	✓												
18	358			0	0	✓												
19																		
20																		
21																		
22																		
23																		

ENTERED BY: J. W.

CHECKED BY:

Bottom Depth:

Cast # down: 133

Cast # up: 134

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: 9618
STATION NAME: P30.

UTC DATE y/m/d: 96/08/31
CAST NO.: 136

SHIP: TULLY

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					
							Salinity														OXY
1	358			100	100	✓								✓							
2	359			75	75	✓								}							
3	360			50	50	✓															
4	361			25	25	✓															
5	362			10	10	✓															
6	363			0	0	✓								✓							
7																					
8																					
9																					
10																					
11																					
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20																					
21																					
22																					
23																					

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 135
Cast # up: 136

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: 9618
STATION NAME: P32

UTC DATE y/m/d: 96/05/31
CAST NO.: 138

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	364			200	201	✓						✓	✓			✓		
2	365			150	150	✓												
3	366			100	99	✓												
4	367			75	75	✓												
5	368			50	49	✓												
6	369			40	40	✓												
* 7	370			30	31	✓												
8	371			20	19	✓												
9	372			10	10	✓												
10	373			0	0	✓												
11																		
12																		
13																		
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17																		
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19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 137
Cast # up: 138

Time LOC UTC
Begin:
Bottom:
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:
* triggered twice

Rosette Log

CRUISE ID: 9618
STATION NAME: P49

UTC DATE y/m/d: 96108131
CAST NO.: 140

SHIP: Tunny

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		CI3		NUT		CHL					
1	374			100	100	✓					✓	✓						
2	375			75	75	✓					↓	↓						
3	376			50	50	✓					↓	↓						
4	377			25	25	✓					↓	↓						
5	378			10	10	✓					↓	↓						
6	379			0	0													
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY: J.W.
CHECKED BY:

Bottom Depth:

Cast # down: 139
Cast # up: 140

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: 9618
STATION NAME: HP33

UTC DATE y/m/d: 96/09/01
CAST NO.: 142

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	380			100	100	✓												
2	381			75	75	✓												
3	382			50	49	✓												
4	383			25	24	✓												
5	384			10	10	✓												
6	385			0	1-5	✓												
7																		
8																		
9																		
10																		
11																		
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21																		
22																		
23																		

ENTERED BY: E. Folc
CHECKED BY:

Bottom Depth: 3440

Cast # down: 141
Cast # up: 142

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: 9618
STATION NAME: R20

UTC DATE y/m/d: 96/09/01
CAST NO.: 144

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	386			100	101	✓							✓	✓				
2	387			75	75	✓							↓	↓				
3	388			50	51	✓							↓	↓				
4	389			25	25	✓							↓	↓				
5	390			10	10	✓							↓	↓				
6	391			0	0	✓							↓	↓				
7																		
8																		
9																		
10																		
11																		
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14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 143

Cast # up: 144

Time LOC UTC
Begin:
Bottom:
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: * TWICE TO TRIGGER

Rosette Log

CRUISE ID: 9618
STATION NAME: R19

UTC DATE y/m/d: 96/09/01
CAST NO.: 146

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	392			100	97	✓						✓	✓					
2	393			75	74	✓						↓	↓					
* 3	394			50	50	✓						↓	↓					
4	395			25	25	✓						↓	↓					
* 5	396			10	11	✓						↓	↓					
6	397			0	0	✓												
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: 145
Cast # up: 146

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: 9618
STATION NAME: R18

UTC DATE y/m/d: 96109101
CAST NO.: 148

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
							OXY		C13		NUT		CHL					
1	398			100	100	✓					✓	✓						
2	399			75	75	✓					✓	✓						
3	400			50	50	✓					✓	✓						
* 4	401			25	25	✓					✓	✓						
5	402			10	10	✓					✓	✓						
6	403			0	0						✓	✓						
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ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 147
Cast # up: 148

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: 9618
STATION NAME: R17

UTC DATE y/m/d: 1996/09/01
CAST NO.: 150

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	404			100	100	✓						✓	✓					
2	405			75	75	✓						↓	↓					
3	406			50	49	✓						↓	↓					
4	407			25	25	✓						↓	↓					
5	408			10	9	✓						↓	↓					
* 6	409			0	1.5	✓						↓	↓					
7																		
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ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC
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End:

START POSITION (GPS)
LAT:
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BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: Triggered twice

Rosette Log

CRUISE ID: 9618
STATION NAME: R16.

UTC DATE y/m/d: 96/09/01
CAST NO.: 152

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	410			200	200	✓						✓	✓				✓	
2	411			150	150	✓						↓	↓				↓	
3	412			100	100	✓						↓	↓				↓	
4	413			75	75	✓						↓	↓				↓	
5	414			50	49	✓						↓	↓				↓	
6	415			40	40	✓						↓	↓				↓	
7	416			30	30	✓						↓	↓				↓	
8	417			20	20	✓						↓	↓				↓	
9	418			10	11	✓						↓	↓				↓	
10	419			0	0	✓						↓	↓				↓	
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ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 151
Cast # up: 152

Time LOC UTC
Begin:
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START POSITION (GPS)
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LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9618.
STATION NAME: 502

UTC DATE y/m/d: 1996/19/82
CAST NO.: 154

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	420			100	100	✓						✓	✓					
2	421			75	75	✓						↓	↓					
3	422			50	49	✓						↓	↓					
4	423			25	24	✓						↓	↓					
5	424			10	9	✓						↓	↓					
6	425			0	0													
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ENTERED BY: E. TULLY
CHECKED BY:

Bottom Depth: 3810.

Cast # down: 153

Cast # up: 154

Time LOC UTC
Begin:
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START POSITION (GPS)
LAT:
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BOTTOM POSITION (GPS)
LAT:
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END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9618
STATION NAME: SU4

UTC DATE y/m/d: 96109102
CAST NO.: 156

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	426			100	100	✓						✓	✓					
2	427			75	75	✓						↓	↓					
3	428			50	50	✓						↓	↓					
4	429			25	25	✓						↓	↓					
5	430			10	10	✓						↓	↓					
6	431			0	0	✓						↓	↓					
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ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 155
Cast # up: 156

Time LOC UTC
Begin:
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START POSITION (GPS)
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BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9618
STATION NAME: SUB.

UTC DATE y/m/d: 96/09/02
CAST NO.: 158

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	432			100	100	✓						✓	✓					
2	433			75	75	✓						↓	↓					
3	434			50	49	✓						↓	↓					
4	435			25	25	✓						↓	↓					
5	436			10	9	✓						↓	↓					
6	437			0	0.5	✓												
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ENTERED BY:
CHECKED BY:

Bottom Depth: 3684

Cast # down: 157

Cast # up: 158

Time LOC UTC
Begin:
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START POSITION (GPS)
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BOTTOM POSITION (GPS)
LAT:
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END POSITION (GPS)
LAT:
LONG:

Comments: triggered twice

Rosette Log

CRUISE ID: 9618
STATION NAME: 518

UTC DATE y/m/d: 96/9/2
CAST NO.: 160

SHIP: Tunny

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	438			100	101	✓							✓	✓				
2	439			75	72	✓							↓	↓				
3	440			50	51	✓							↓	↓				
4	441			25	25	✓							↓	↓				
5	442			10	10	✓							↓	↓				
6	443			0	2	✓							↓	↓				
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ENTERED BY: T.S.
CHECKED BY:

Bottom Depth:

Cast # down: 159

Cast # up: 160

Time LOC UTC
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BOTTOM POSITION (GPS)
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END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9618
STATION NAME: Su 10

UTC DATE y/m/d: 96/09/02
CAST NO.: 162

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	444			200	200	✓							✓	✓			✓	
2	445			150	149	✓												
3	446			100	100	✓												
4	447			75	76	✓												
5	448			50	50	✓												
6	449			40	40	✓												
*7	450			30	30	✓												
8	451			20	20	✓												
9	452			10	10	✓												
10	453			0	0	✓												
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ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 161
Cast # up: 162

Time LOC UTC
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BOTTOM POSITION (GPS)
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END POSITION (GPS)
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Comments:

Rosette Log

CRUISE ID: 9618
STATION NAME: 5012

UTC DATE y/m/d: 96/09/03
CAST NO.: 165

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	454			100	160	✓							✓	✓				
2	455			75	74	✓												
3	456			50	49	✓												
4	457			25	23	✓												
5	458			10	10	✓												
6	459			0	0	✓												
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BOTTOM POSITION (GPS)
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END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9618
STATION NAME: S014

UTC DATE y/m/d: 96/9/3
CAST NO.: 162

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	460			100	99	✓						✓	✓					
2	461			75	75	✓						↓	↓					
3	462			50	50	✓						↓	↓					
4	463			25	25	✓						↓	↓					
5	464			10	9	✓						↓	↓					
6	465			0														
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BOTTOM POSITION (GPS)
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LAT:
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Comments: * 2 YR1 Col R5

Rosette Log

CRUISE ID: 9614
STATION NAME: Su 16

UTC DATE y/m/d: 96109103
CAST NO.: 169

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
1	466			100	102	✓						✓	✓					
2	467			75	75	✓						↓	↓					
3	468			50	49	✓						↓	↓					
4	469			25	25	✓						↓	↓					
5	470			10	10	✓						↓	↓					
6	471			0	0	✓												
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ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 168

Cast # up: 169

Time LOC UTC
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START POSITION (GPS)
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BOTTOM POSITION (GPS)
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END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9618
STATION NAME: 5018

UTC DATE y/m/d: 1996/09/03
CAST NO.: 171

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	472			100	100	✓							✓	✓				
2	473			75	74	✓												
3	474			50	50	✓												
4	475			25	24	✓												
5	476			10	10	✓												
6	477			0	2													
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Bottom Depth:

Cast # down:

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Time LOC UTC
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START POSITION (GPS)
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BOTTOM POSITION (GPS)
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END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9618
STATION NAME: SV 20.

UTC DATE y/m/d: 96/9/3
CAST NO.: 173

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	478			100	100	✓ 100.28	7.5605					✓	✓				75595	23.1952 331594
2	479			75	75	✓												
3	480			50	49	✓												
4	481			25	25	✓												
5	482			10	10	✓												
6	483			0	0	✓												
7																		
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Bottom Depth:

Cast # down:

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Time LOC UTC
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START POSITION (GPS)
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BOTTOM POSITION (GPS)
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END POSITION (GPS)
LAT:
LONG:

Comments:

Rosette Log

CRUISE ID: 9618
STATION NAME: SU21

UTC DATE y/m/d: 96/09/03
CAST NO.: 175

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	484			100	101	✓							✓	✓				
2	485			75	75	✓							↓	↓				
3	486			50	50	✓							↓	↓				
4	487			25	25	✓							↓	↓				
5	488			10	10	✓							↓	↓				
6	489			0	0	✓												
7																		
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ENTERED BY:
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Bottom Depth:

Cast # down: 174
Cast # up: 175

Time LOC UTC
Begin:
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End:

START POSITION (GPS)
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LONG:

BOTTOM POSITION (GPS)
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END POSITION (GPS)
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Comments: