

ROSETTE LOG

MISSION ID: 2001-31

STATION: 31

CAST NUMBER: 010

UTC DATE (dd/mm/yyyy):

19/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	124	TCO		C13		170				
							OXY			ALK		CHL						
1	1	84	0.343	1000	✓	X	X	X										slow leak
2	2	255	0.292	1000	✓	X	X	X										
3	3	344	0.535	800	✓	X	X	X						14/90				poorly shaken program buggy - sample named 3233 flask 344
4	4	392	0.482	600	✓	X	X	X										GR
5	5	443	0.481	500	✓		X	X										P.S.
6	6	534	1.255	400	✓		X	X										"
7	7	535	2.225	300	✓		X	X										"
8	8	572	2.635	250	✓		X	X										" very P.S.
9	9	588	3.095	200	✓		X	X										
10	10	632	3.434	175	✓		X	X										
11	11	650	4.421	150	✓		X	X										P.S.
12	12	657	4.616	125	✓		X	X										P.S.
13	13	697	5.740	100	✓		X	X	X									P.P.S.
14	14	695	6.140	75	✓		X	X	X			X	X					P.P.S.
15	15	707	6.464	50	✓		X	X	X			X	X					
16	16	708	6.104	30	✓		X	X	X			X	X					worst I've seen - weak
17	17	709	6.053	20	✓		X	X	X			X	X					
18	18	712	6.052	10	✓		X	X	X			X	X					
19	19	715	6.047	0	✓	X	X	X	X			X	X					
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: JP Tully

ENTERED BY: LAM

CHECKED BY:

Bottom Depth: 2091

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1558

Bottom: 1613

End: 1655

START POSITION (GPS)

LAT: 50°34.93

LONG: 129°41.46

BOTTOM POSITION (GPS)

LAT: 50°34.91

LONG: 129°41.53

END POSITION (GPS)

LAT: 50°34.90

LONG: 129°41.46

001 723

005 717

ROSETTE LOG

MISSION ID: 2001-31 STATION: CS03 CAST NUMBER: 17 UTC DATE (dd/mm/yyyy): 19/9/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	NIT	TCO		C13						
						OXY				ALK		CHL	COCC					
1	20	1137	2.016	200	✓ 202	X	X	X										P.S. did't titrate completely
2	21	1138	2.136	175	✓ 175	X												
3	22	1141	2.155	150	✓ 151	X												
4	23	1142	2.585	125	✓ 125	X												
5	24	1146	5.293	100	✓ 100	X				X								
6	25	1148	6.402	75	✓ 75					X		X	X					
7	26	1153	6.660	50	✓ 50					X								
8	27	1158	6.118	30	✓ 30					X								
9	28	1171	6.064	20	✓ 21					X								
10	29	1174	6.065	10	✓ 10					X								
11	30	1175	6.094	0	✓ 1	X	X	X	X			X	X					
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 232

Cast # down: 17
Cast # up:

Time	LOC	UTC
Begin:		2112
Bottom:		2118
End:		

START POSITION (GPS)
LAT: 50 45.582
LONG: 129 19.824

BOTTOM POSITION (GPS)
LAT: 50 45.616
LONG: 129 19.808

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-31 STATION: Cs5 CAST NUMBER: 23 UTC DATE (dd/mm/yyyy):

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	12.14	Sec				
1	31	1180	3.484	Bot-10	✓ 57		x	x					x	x	x			
2	32	1188	3.897	50	✓		x	x					x	x	x			
3	33	1189	4.730	30	✓		x	x					x	x	x			
4	34	1191	5.356	20	✓		x	x					x	x	x			
5	35	1192	5.699	10	✓		x	x					x	x	x			
6	36	1194	6.134	0	✓		x	x					x	x	x			
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: J.P. Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 65

Cast # down: 23
Cast # up: 23

Time	LOC	UTC
Begin:		01:14
Bottom:		01:17
End:		01:21

START POSITION (GPS)
LAT: 50° 55.92
LONG: 129° 00.02

BOTTOM POSITION (GPS)
LAT: 50° 55.91
LONG: 129° 00.02

END POSITION (GPS)
LAT: 50° 55.88
LONG: 129° 00.08

Comments:

ROSETTE LOG

MISSION ID: 2001-31 STATION: CSS CAST NUMBER: 29 UTC DATE (dd/mm/yyyy): 20/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY		NH4		ALK		CHL	COCC					
1	37	1176	1.950	Bot-10	✓ 124		X	X										
2	38	1193	1.893	125	✓		X	X										
3	39	1195	2.099	100	✓		X	X	X			X	X					
4	40	1198	3.934	75	✓		X	X	X			X	X					
5	41	1201	4.497	50	✓		X	X	X			X	X					
6	42	1203	5.657	30	✓		X	X	X			X	X					
7	43	1206	5.541	20	✓		X	X	X			X	X					
8	44	1209	6.524	10	✓		X	X	X			X	X					
9	45	1210	6.592	0	✓		X	X	X			X	X					flask numbers switched
10																		
11																		
12																		1.197 144.55
13																		1200 145.30
14																		
15																		
16																		1209 145.30
17																		1210 144.55
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY: LAM
CHECKED BY:

Bottom Depth: 139

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0453
Bottom:		0457
End:		0508

START POSITION (GPS)
LAT: 51 8.54 N
LONG: 128 36.05 W

BOTTOM POSITION (GPS)
LAT: 51 8.53 N
LONG: 128 36.07 W

END POSITION (GPS)
LAT: 51 8.47 N
LONG: 128 36.14 W

ROSETTE LOG

MISSION ID: 2001-31

STATION: H00A

CAST NUMBER: 44

UTC DATE (dd/mm/yyyy): 22/04/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		pH				
1	46	1212	1.608	2000	✓	X	X	XY										
2	47	1209	1.096	1750	✓	X	Y											
3	48	1210	0.704	1500	✓	X	Y											
4	49	1193	0.444	1250	✓	X	X											
5	50	1195	0.293	1000	✓	X												
6	51	1198	0.322	1000	✓													
7	52	1201	0.341	800	✓													
8	53	1137	0.576	600	✓													
9	54	1206	0.721	500	✓													
10	55	1176	1.066	400	✓													
11	56	1194	1.613	300	✓													
12	57	1192	2.204	250	✓													
13	58	1191	2.491	200	✓													
14	59	1189	2.739	175	✓													
15	60	1188	2.997	150	✓													
16	61	1153	4.410	125	✓													
17	62	1158	5.178	100	✓													
18	63	1171	6.206	75	✓								X		Y			
19	64	1174	6.601	50	✓								X		Y			
20	65	1175	6.347	30	✓								X		Y			
21	66	1180	6.302	20	✓								X		Y			
22	67	1148	6.363	10	✓					XX			X	X	Y			
23	68	1146	6.333	0	✓	X	X	XY					X		Y			
24																		

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 2000 +

Cast # down: 44

Cast # up: 44

Time LOC UTC

Begin: 1152

Bottom: 1231

End: 1329

START POSITION (GPS)

LAT: 53 29.99

LONG: 138 20.04

BOTTOM POSITION (GPS)

LAT: 53 29.96

LONG: 138 20.04

END POSITION (GPS)

LAT: 53 29.99

LONG: 138 19.98

Comments:

ROSETTE LOG

MISSION ID: 2001-31 STATION: H006 CAST NUMBER: 50 UTC DATE (dd/mm/yyyy): 22/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY		pH		ALK		CHL	CO2					
1	69			75	✓	77							X	X				
2	70			50	✓	51												
3	71			30	✓	30												
4	72			20	✓	20												
5	73			10	✓	10			xx	xx			X	X				
6	74			0	✓	1	X						X	X				
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: LAM/09
CHECKED BY:

Bottom Depth: 3247

Cast # down:
Cast # up:

Time LOC UTC
Begin: 18:07
Bottom: 18:30
End:

START POSITION (GPS)
LAT: 53 45.03
LONG: 138 19.80

BOTTOM POSITION (GPS)
LAT: 53'45.46
LONG: 138 19.42

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-31 STATION: H80C CAST NUMBER: 54 UTC DATE (dd/mm/yyyy): 22/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		PH				
						OXY				ALK		CHL		(ccc)				
1	75	84	1.390	2000	✓ 2000	X	X	XX										
2	76	255	0.982	1750	✓ 1750	X	✓											
3	77	364	0.611	1500	✓ 1501	X	X											
4	78	392	0.409	1250	✓ 1250	X	X											
5	79	443	0.339	1000	✓ 1000	X												
6	80	534	0.333	1000	✓ 1000													
7	81	535	0.329	800	✓ 800													
8	82	572	0.507	600	✓ 600													
9	83	588	0.793	500	✓ 500													
10	84	632	1.159	400	✓ 401													
11	85	650	1.749	300	✓ 300													
12	86	657	2.2122	250	✓ 250													
13	87	697	2.815	200	✓ 200													
14	88	707	2.761	175	✓ 175													
15	89	695	3.121	150	✓ 150													
16	90	708	4.245	125	✓ 124													
17	91	709	5.216	100	✓ 100													
18	92	712	6.353	75	✓ 75								X		X			
19	93	727	6.632	50	✓ 50								X		X			
20	94	730	6.437	30	✓ 30								X		X			
21	95	1105	6.311	20	✓ 20								X		X			
22	96	1110	6.329	10	✓					XX			X	XX	X			OIC not taken
23	97	1135	6.318	0		X	X	XX					X		X			
24																		

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 2500+

Cast # down: 54

Cast # up:

TimeLOCUTC

Begin:2153

Bottom:2223

End:2326

START POSITION (GPS)

LAT: 53 59.99

LONG: 138 20.07

BOTTOM POSITION (GPS)

LAT: 53 59.90

LONG: 138 20.20

END POSITION (GPS)

LAT: 53° 59.84

LONG: 138° 20.43

ROSETTE LOG

MISSION ID: 2001-31 STATION: 400D CAST NUMBER: 58- UTC DATE (dd/mm/yyyy): 23 22/09/0001

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		pH				
							OXY		DIC	ALK		CHL			CO2			
1	98			75	✓ 76							X			X			
2	99			50	✓ 49							X			X			
3	100			30	✓							X			X			
4	101			20	✓							X			X			
5	102			10	✓				xx			X	xxx		X			
6	103			0	✓							X			X			
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: ST/PM
CHECKED BY:

Bottom Depth: 3170

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0218
Bottom:		0246
End:		0316

START POSITION (GPS)
LAT: 54 09.99
LONG: 138 22.05

BOTTOM POSITION (GPS)
LAT: 54 10.01
LONG: 138 20.03

END POSITION (GPS)
LAT: 54 09.98
LONG: 138 20.05

ROSETTE LOG

MISSION ID: 2001-31 STATION: H00E CAST NUMBER: 62 UTC DATE (dd/mm/yyyy): 23/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		PH				
							OXY			ALK		CHL		CocC				
1	104	1270	1.385	2000	✓	x	x	xx										
2	125	1292	6.327	1750	✓	x												mm? Bottle 22?
3	106	1272	0.574	1500	✓	x												
4	107	1273	0.400	1250	✓	x												
5	108	1274	0.344	1000	✓	x												
6	109	1275	0.318	1000	✓													
7	110	1276	0.379	800	✓													
8	111	1277	0.902	600	✓													
9	112	1278	1.004	500	✓													
10	113	1279	1.371	400	✓													
11	114	1280	1.710	300	✓													
12	115	1281	1.884	250	✓													
13	116	1282	2.062	200	✓													
14	117	1283	2.240	175	✓													
15	118	1284	2.419	150	✓													
16	119	1285	3.338	125	✓													
17	120	1286	4.632	100	✓													
18	121	1287	6.013	75	✓							x		x				
19	122	1288	6.349	50	✓							x		x				
20	123	1290	6.718	30	✓							x		x				
21	124	1291	6.372	20	✓							x		x				
22	105	1271	1.071	10	✓					xx		x	xxx	x				Bottle 2
23	126	1293	6.417	0	✓	x	x	xx				x		x				
24																		

Comments: mixed layer ~ 30m

SHIP: Tully

ENTERED BY: LAM

CHECKED BY:

Bottom Depth: 3171

Cast # down: 62

Cast # up: 62

Time	LOC	UTC
Begin:	0450	
Bottom:	0521	
End:	0625	

START POSITION (GPS)

LAT: 54 19.98

LONG: 138 19.94

BOTTOM POSITION (GPS)

LAT: 54 19.98

LONG: 138 20.00

END POSITION (GPS)

LAT: 54 20.00

LONG: 138 20.01

ROSETTE LOG

MISSION ID: 2001-31

STATION: H00F

CAST NUMBER: 70

UTC DATE (dd/mm/yyyy): 23/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CO2		DOC		
							OXY		PH	ALK		CHL		PH				
1	127	1215	1.465	2000	✓		X	X	XX	X					XX			Top of back line.
2	128	1216	0.954	1750	✓	1749	X											
3	129	1218	0.757	1500	✓	1501	X											
4	130	1222	0.411	1250	✓	1250	X											
5	131	1223	0.334	1000	✓	999	X			XX				XX	X			
6	132	1224	0.365	1000	✓	1000								XX	XX			
7	133	1225	0.391	800	✓	800									X			
8	134	1228	0.747	600	✓	600									X			
9	135	1268	1.017	500	✓	500								XX				
10	136	1231	1.369	400	✓	400									X			
11	137	1233	1.844	300	✓	300									X			
12	138	1235	1.967	250	✓	250								XX				
13	139	1237	2.133	200	✓	200									X			
14	140	1238	2.396	175	✓	175												
15	141	1241	2.862	150	✓	150								XX	X			
16	142	1243	3.998	125	✓	124												
17	143	1244	4.825	100	✓	101								XX	X			
18	144	1247	6.014	75	✓	75						X	X		X			
19	145	1248	6.476	50	✓	50								XX				
20	146	1249	6.327	30	✓	30												
21	147	1251	6.337	20	✓	21								XX				
22	148	1252	6.348	10	✓	11								XX	X			
23	149	1254	6.338	0	✓	1	X	X	XX	X		X	X	XX				
24																		

Comments:

SHIP:

ENTERED BY: LAM/04

CHECKED BY:

Bottom Depth: 3127

Cast # down:

Cast # up:

Time LOC UTC

Begin: 18:15

Bottom: 18:49

End:

START POSITION (GPS)

LAT: 54 30.03 N

LONG: 138 20.05 W

BOTTOM POSITION (GPS)

LAT: 54 29.98

LONG: 138 20.03

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2001-31

STATION: H05

CAST NUMBER:

85

UTC DATE (dd/mm/yyyy):

25/09/01

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		COC				
						OXY				ALK		CHL		pH				
1	150	1215	2.390	2000	✓	X	X	XX										Boat deflation Cap loose - went dissolve.
2	151	1216	1.039	1750	✓	X												
3	152	1222	0.657	1500	✓	X												
4	153	1223	0.368	1250	✓ 1200	X												
5	154	1224	0.325	1000	✓	X												
6	155	1225	0.306	1000	✓													
7	156	1228	0.335	800	✓													
8	157	1248	0.478	600	✓													
9	158	1237	0.650	500	✓													
10	159	1231	1.017	400	✓													
11	160	1235	1.800	300	✓													Cap loose.
12	161	1233	1.582	250	✓													
13	162	1238	2.207	200	✓													
14	163	1241	2.451	175	✓													
15	164	1243	2.892	150	✓													
16	165	1244	3.318	125	✓													Sample numbers reversed in file.
17	166	1247	4.597	100	✓													
18	167	1248	6.115	75	✓							X	X					
19	168	1249	6.561	50	✓													
20	169	1251	6.157	30	✓													
21	170	1252	6.186	20	✓													
22	171	1254	6.298	10	✓					XX					XXX			
23	172	1256	6.150	0	✓	X	X	XX				X	X					
24																		

Comments: mixed layer ~40 m

SHIP: Tully
ENTERED BY: LAM
CHECKED BY:

Bottom Depth: 2988

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1539
Bottom:		1616
End:		1709

START POSITION (GPS)
LAT: 55 15.11
LONG: 137 34.99BOTTOM POSITION (GPS)
LAT: 55 14.66
LONG: 137 45.47END POSITION (GPS)
LAT: 55 13.79
LONG: 137 46.04

ROSETTE LOG

MISSION ID: 2001-31 STATION: H004 CAST NUMBER: 89 UTC DATE (dd/mm/yyyy): 25.09.01

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CO2				
							OXY		pH		ALK		CHL					
1	173			75	75 ✓			X					X	X				
2	174			50	50 ✓													
3	175			30	30 ✓													
4	176			20	20 ✓													
5	177			10					xxx	xx								
6	178			0		X		X					X	X				
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 2932

Cast # down: 89
Cast # up: ''

Time	LOC	UTC
Begin:		2222
Bottom:		2248
End:		

START POSITION (GPS)
LAT: 54° 49.97
LONG: 138° 10.17

BOTTOM POSITION (GPS)
LAT: 54° 49.78
LONG: 138° 10.51

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-31 STATION: 400L CAST NUMBER: 102 UTC DATE (dd/mm/yyyy): 26.09.01

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CO2				
							OXY			ALK		CHL		pH				
1	179	1212	1.448	2000	✓	2002	X	X	XX		X				XX			Poorly Slaken
2	180	1209	0.997	1750	✓	1749	X											
3	181	1210	0.577	1500	✓	1500	X											
4	182	1193	0.044	1250	✓		X											
5	183	1195	0.317	1000	✓		X			XX				XX				Did not titrate - undersaturated sediment
6	184	1198	0.307	1000	✓					X				XX				
7	185	1201	0.355	800	✓													
8	186	1137	0.532	600	✓													
9	187	1206	0.819	500	✓									XX				
10	188	1176	1.179	400	✓													
11	189	1194	1.716	300	✓													
12	190	1192	2.118	250	✓									XX				
13	191	1191	2.847	200	✓													
14	192	1189	2.650	175	✓													Comp. horne.
15	193	1188	3.142	150	✓									XX				
16	194	1153	3.643	125	✓													
17	195	1158	4.861	100	✓									XX				
18	196	1171	5.574	75	✓							X	X					
19	197	1174	6.426	50	✓									XX				
20	198	1175	6.364	30	✓													
21	199	1180	6.313	20	✓									XX				
22	200	1148	6.350	10				✓	✓	✓		✓	✓	XX				
23	201	1146	6.327	0			XX	X	XX	X		X	X	XX				
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 3319

Cast # down: 102
Cast # up: 102

Time	LOC	UTC
Begin:		2351
Bottom:		0030
End:		0124

START POSITION (GPS)
LAT: 54 00.00
LONG: 138 44.75

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 54 0.03
LONG: 138 44.97

ROSETTE LOG

MISSION ID: 2001-31 STATION: 1400M CAST NUMBER: 109 UTC DATE (dd/mm/yyyy): 27.09.01

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		occ				
							OXY		ph	ALK		CHL						
1	202			75	✓	76.1			xx				x	x				
2	203			50	✓	50.2												
3	204			30	✓	30.1												
4	205			20	✓	20.5												
5	206			10	✓	10.3			xx	xx								
6	207			0	✓		x	xx					x	x				
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:

ENTERED BY: DOWER

CHECKED BY:

Bottom Depth:

Cast # down: 109

Cast # up: 109

Time

LOC

UTC

Begin: 0847

Bottom: 0915

End:

START POSITION (GPS)

LAT: 54° 10.05'

LONG: 138° 37.62'

BOTTOM POSITION (GPS)

LAT: 54° 10.08'

LONG: 138° 37.76'

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2001-31 STATION: HREF CAST NUMBER: 115 UTC DATE (dd/mm/yyyy): 27.09.01

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3		CO2				
							OXY			ALK		CHL		P14				
1	208	1215	1.432	2000m	✓	2000	X	X	XX	X				XX				
2	209	1216	0.943	1750	✓	1750	X											
3	210	1222	0.697	1500	✓	1500	X											
4	211	1223	0.532	1250	✓	1250	X											
5	212	1224	0.482	1000	✓	1000	X			XX				XX				
6	213	1225	0.441	1000	✓	1000				X				XX				
7	214	1228	0.414	800	✓	802												
8	215	1268	0.404	600	✓	600												
9	216	1231	0.828	500	✓	500								XX				
10	217	1237	0.966	400	✓	400												
11	218	1235	1.248	300	✓	300												
12	219	1233	1.560	250	✓	250								XX				
13	220	1238	2.335	200	✓	199												
14	221	1241	2.940	175	✓	175												
15	222	1244	3.990	150	✓	150								XX				
16	223	1243	5.583	125	✓	124												
17	224	1247	6.758	100	✓	100								XX				
18	225	1248	6.782	75	✓	75							X	X				
19	226	1249	6.967	50	✓	50								XX				
20	227	1251	5.602	30	✓	30												Problem with titration Sample should read 2.27 Flask 1251
21	228	1252	6.255	20	✓	20								XX				
22	229	1254	6.253	10	✓	10								XX				
23	230	1256	6.245	0	✓	1.2	XX	X	XX	X			X	X	XX			
24																		

SHIP: Tully
 ENTERED BY: dy
 CHECKED BY:

Bottom Depth: 3613

Cast # down: 115

Cast # up: 115

Time	LOC	UTC
Begin:		2135
Bottom:		2159
End:		2254

START POSITION (GPS)
 LAT: 52 30.13
 LONG: 138 45.25

BOTTOM POSITION (GPS)
 LAT: 52 30.26
 LONG: 138 45.25

END POSITION (GPS)
 LAT: 52°30.26
 LONG: 138°45.58

Comments:

ROSETTE LOG

MISSION ID: 2001-31

STATION: H01C

CAST NUMBER: 133

UTC DATE (dd/mm/yyyy): 30/09/01

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CO2C				
							OXY		pH	ALK		CHL						
1	231	1210	1.148	2000	✓	X	X	XX	XX	X								
2	232	1212	1.375	1750	✓	X												
3	233	1209	0.552	1500	✓	X												
4	234	1193	0.280	1250	✓ 1000	X												
5	235	1195		1000	✓	X			XX	XX								NO SAMPLE
6	236	1201	0.260	1000	✓				XX									
7	237	1198	0.307	800	✓													
8	238	1206	0.587	600	✓													
9	239	1137	0.828	500	✓				XX									
10	240	1194	1.202	400	✓													
11	241	1176	1.687	300	✓													
12	242	1191	1.844	250	✓				XX									
13	243	1192	2.067	200	✓													
14	244	1188	2.145	175	✓													
15	245	1189	2.237	150	✓				XX									
16	246	1158	2.527	125	✓													
17	247	1153	3.814	100	✓				XX									
18	248	1174	5.147	75	✓							X	X					
19	249	1171	6.287	50	✓				XX									
20	250	1180	6.268	30	✓													
21	251	1175	6.308	20	✓				XX									
22	252	1148	6.218	10	✓				XX									
23	253	1146	6.282	0	✓	X	X	X	XX	X		X	X					
24																		

Comments: mixed layer ~ 50m

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 3483 m

Cast # down: 133

Cast # up: 133

Time	LOC	UTC
Begin:	1617	
Bottom:	1655	
End:	1822	

START POSITION (GPS)

LAT: 51 0.02 N

LONG: 135 19.92

BOTTOM POSITION (GPS)

LAT: 50 59.96 N

LONG: 135 19.94 W

END POSITION (GPS)

LAT: 51 0.18

LONG: 135 17.52

ROSETTE LOG

MISSION ID: 2001-31 STATION: HQ13 CAST NUMBER: 142 UTC DATE (dd/mm/yyyy): 01.10.01

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		LOCLD					
							OXY	PH		ALK		CHL							
1	254	1216	1.317	2000	✓	x	x	xx	xx	X									
2	255	1215	0.925	1750	✓	x													
3	256	1223	0.667	1500	✓	x													
4	257	1222	0.355	1250	✓	x													
5	258	1224	0.297	1000	✓	x			xxx	XX									
6	259	1225	0.312	1000	✓	x			xx	x									
7	260	1268	0.302	800	✓														
8	261	1228	0.510	600	✓														
9	262	1231	0.755	500	✓				xx										
10	263	1237	1.208	400	✓														
11	264	1235	1.861	300	✓														
12	265	1233	2.017	250	✓				xx										
13	266	1238	2.363	200	✓														
14	267	1241	2.651	175	✓														
15	268	1244	2.867	150	✓				xx										
16	269	1243	4.020	125	✓														
17	270	1247	4.704	100	✓				xx										
18	271	1248	5.398	75	✓							x	x						
19	272	1249	6.166	50	✓				1x										
20	273	1251	6.337	30	✓														
21	274	1252	6.359	20	✓				xx										
22	275	1254	6.513	10	✓				xx										
23	276	1256	6.771	0	✓	x	x	xx	xx	x		x	x						
24																			

Comments:

SHIP:
ENTERED BY: LAM
CHECKED BY:

Bottom Depth: 3481

Cast # down: 142
Cast # up: 142

Time	LOC	UTC
Begin:		0411
Bottom:		0446
End:		0552

START POSITION (GPS)
LAT: 50 45.01 N
LONG: 134 45.00 W

BOTTOM POSITION (GPS)
LAT: 50 44.99 N
LONG: 134 45.00 W

END POSITION (GPS)
LAT: 50 45.00 N
LONG: 134 45.01 W