

ROSETTE LOG

MISSION ID: 2001-08
STATION NAME: SIO3UTC DATE y/m/d: 01/05/29
CAST NUMBER: 1SHIP: J P TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	1	1136	0.00	200	222	✓	✓	✓	✓									
2	2	1137	0.00	200		✓	✓											
3	3	1138	0.046	175		✓												
4	4	1141	0.000	150		✓												
5	5	1142	0.731	125		✓												
6	6	1146	2.463	100		✓												
7	7	1148	2.946	80		✓												
8	8	1153	4.341	60		✓												
9	9	1158	4.510	60		✓												
10	10	1171	5.304	50		✓												
11	11	1174	5.948	40		✓												
12	12	1175	6.147	30		✓												
13	13	1176	6.983	20		✓												
14	14	1177	8.121	10		✓												
15	15	1180	9.268	0		✓												
16																		
17																		
18																		
19	* - PROBABLY 0.00 - BILL HAD PROBLEMS CAPING SAMPLE																	
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MRBottom Depth: 225Cast # down: 1Cast # up: 1

Time	LOC	UTC
Begin:		2112
Bottom:		2121
End:		2138

START POSITION (GPS)		
LAT:	48° 35'	907
LONG:	123° 29'	938

BOTTOM POSITION (GPS)		
LAT:	48° 35'	864
LONG:	123° 29'	914

END POSITION (GPS)		
LAT:	48° 35'	793
LONG:	123° 29'	920

Comments:

ROSETTE LOG

MISSION ID: 2001-08 STATION: R31 CAST NUMBER: 3. UTC DATE (dd/mm/yyyy): 31/05/01

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	16	1136	3.614	8-5	✓	314	✓	✓	✓									
2	17	1137	3.545	300	✓		✓											
3	18	1138	3.551	250	✓		✓											
4	19	1141	3.601	200	✓													
5	20	1142	3.637	175	✓													
6	21	1146	3.550	150	✓													
7	22	1148	3.581	150	✓													
8	23	1153	3.587	125	✓													
9	24	1158	3.709	100	✓													
10	25	1171	3.917	75	✓								✓					
11	26	1174	4.775	50	✓								✓					
12	27	1175	5.077	230	✓								✓					
13	28	1176	5.218	20	✓		✓						✓					
14	29	1177	6.212	310	✓								✓					
15	30	1180	8.165	0	✓	314	✓	✓	✓				✓					
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: wrong file name, called 0002.dat

SHIP: Tully
ENTERED BY: FW
CHECKED BY:

Bottom Depth: ~ 320m

Cast # down: 3

Cast # up: 3

Time	LOC	UTC
Begin:		0015
Bottom:		0022
End:		0046

START POSITION (GPS)
LAT: 51 26.37
LONG: 127 38.26

BOTTOM POSITION (GPS)
LAT: 51 26.28
LONG: 127 38.41

END POSITION (GPS)
LAT: 51 26.40
LONG: 127 38.197

ROSETTE LOG

MISSION ID: 2001-08 STATION: RI4 CAST NUMBER: 6 UTC DATE (dd/mm/yyyy): 31/05/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	33	1189	2.182	8-5	✓ 290	✓	✓	✓										
2	34	1191	2.736	250	✓	✓												
3	35	1192	2.784	200	✓	✓												
4	36	1193	2.989	175	✓													
5	37	1194	3.030	150	✓													
6	38	1195	3.152	150	✓													
7	39	1197	3.082	125	✓													
8	40	1198	3.170	100	✓													
9	41	1201	3.466	75	✓								✓					
10	42	1203	4.325	50	✓								✓					
11	43	1206	5.022	30	✓								✓					
12	44	1209	5.319	20	✓								✓					
13	45	1210	5.756	10	✓								✓					
14	46	1212	6.844	0	✓			↓	↓				✓					
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Bottles 4-5-6-7, 8" big wire L. depth off * ALL SAMPLE NOT SHAKEN ENOUGH - FLAKES IN ALL BOTTLES

SHIP: JOHN P TULLY
ENTERED BY: D.A
CHECKED BY: M.R

Bottom Depth: 300

Cast # down: 6
Cast # up: 6

Time	LOC	UTC
Begin:		0422
Bottom:		0429
End:		0444

START POSITION (GPS)
LAT: 51°38.87
LONG: 127°26.55

BOTTOM POSITION (GPS)
LAT: 51°38.85
LONG: 127°26.54

END POSITION (GPS)
LAT: 51°38.74
LONG: 127°27.12

ROSETTE LOG

MISSION ID: 2001-08 STATION: CS9 CAST NUMBER: 11 UTC DATE (dd/mm/yyyy): 31/05/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	48	1215	1.956	9-10	✓	x	x	x										
2	49	1216	1.891	175	✓	x												
3	50	1218	1.927	150	✓	x												
4	51	1222	2.010	125	✓													
5	52	1223	2.356	100	✓													
6	53	1224	4.856	75	✓							x						
7	54	1225	4.851	50	✓							x						
8	55	1228	6.932	30	✓							x						
9	56	1230	6.918	20	✓							x						
10	57	1231	6.912	10	✓							x	✓					
11	58	1233	6.920	0				↓	↓			x	✓					
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: * FORGOT TO CHANGE STA. NAME WHEN RUNNING O2 - NAMED R11 IN COMPUTER (CAST # CORRECT)

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 194

Cast # down: 11
Cast # up: 11

Time	LOC	UTC
Begin:		1236
Bottom:		1241
End:		1254

START POSITION (GPS)
LAT: 51 12.50
LONG: 128 27.81

BOTTOM POSITION (GPS)
LAT: 51 12.51
LONG: 128 27.93

END POSITION (GPS)
LAT: 51 12.46
LONG: 128 28.08

ROSETTE LOG

MISSION ID: 2001-08 STATION: 057 CAST NUMBER: 16 UTC DATE (dd/mm/yyyy): 31/05/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	60	1237	6.129	0-10	✓ 62	x	x	x										
2	61	1238	6.135	50	✓	x												
3	62	1241	6.398	30	✓	x												
4	63	1243	6.509	20	✓													
5	64	1244	6.553	10	✓							x						
6	65	1247	6.565	0	✓							x						
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: J.P. TULLY
ENTERED BY: DA
CHECKED BY: MR

Bottom Depth: 68

Cast # down: 16
Cast # up: 16

Time	LOC	UTC
Begin:		1608
Bottom:		1610
End:		1617

START POSITION (GPS)
LAT: 51 04.41
LONG: 127 44.10

BOTTOM POSITION (GPS)
LAT: 51 04.39
LONG: 127 44.09

END POSITION (GPS)
LAT: 51 04.40
LONG: 127 44.05

ROSETTE LOG

MISSION ID: 2001-08 STATION: CSS CAST NUMBER: 17 UTC DATE (dd/mm/yyyy): 31/05/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
							OXY			ALK		CHL						
1	66	1249	5.466	13.10	1	58	✓	✓	✓									
2	67	1251	5.789	50	✓		✓	✓	✓									
3	68	1252	6.451	30	✓		✓	✓	✓									
4	69	1254	6.482	30	✓		✓	✓	✓									
5	70	1256	6.513	20	✓			✓	✓									
6	71	1258	6.478	10	✓			✓	✓									
7	72	1260	6.543	0	✓			✓	✓									
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: JOHN P TULLY
ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 66

Cast # down: 17
Cast # up: 17

Time	LOC	UTC
Begin:		1816
Bottom:		1818
End:		1826

START POSITION (GPS)
LAT: 50 55.96
LONG: 129 00.21

BOTTOM POSITION (GPS)
LAT: 50 55.91
LONG: 129 00.23

END POSITION (GPS)
LAT: 50 55.91
LONG: 129 00.24

Comments:

ROSETTE LOG

MISSION ID: 2001-08 STATION: CS03 CAST NUMBER: 2122 UTC DATE (dd/mm/yyyy): 31/5/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
							OXY			ALK		CHL				
1	74	84	2.097	8-10	200	✓		✓								
2	75	255	2.119	175	175	✓										
3	76	364	2.266	150	150	✓										
4	77	392	2.582	125	125	✓										
5	78	443	3.340	100	101											
6	79	486	3.823	75	75											
7	80	534	4.780	50	50											
8	81	535	6.631	30	30											
9	82	572	6.637	20	20							✓				
10	83	588	6.646	10	10											
11	84	NO SAMPLE ?		0	3			✓	✓			✓				
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments: O2 Bot # 632 - NISKIN EMPTY - NO SAMPLE TAKEN

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 237

Cast # down: 21 22
Cast # up: 21 22

Time	LOC	UTC
Begin:		2206
Bottom:		2212
End:		

START POSITION (GPS)
LAT: 50 45.63
LONG: 129 20.06

BOTTOM POSITION (GPS)
LAT: 50 45.60
LONG: 129 20.11

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-08 STATION: C32 CAST NUMBER: 27 UTC DATE (dd/mm/yyyy): 01/06/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	85	1136	0.766	300	✓	✓	✓	✓										
2	86	1137	1.119	400	✓	✓												
3	87	1138	1.700	300	✓	✓												
4	88	1141	2.050	250	✓													
5	89	1142	2.404	200	✓													
6	90	1146	2.584	175	✓													
7	91	1148	2.779	150	✓													
8	92	1153	3.125	125	✓													
9	93	1158	3.677	100	✓													
10	94	1171	4.195	75	✓													
11	95	1174	5.404	50	✓													
12	96	1175	6.701	30	✓													
13	97	1176	6.758	20	✓													
14	98	1177	6.745	10								x						
15	99	480	6.763	0								x						
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 27
Cast # up: 27

Time	LOC	UTC
Begin:		0230
Bottom:		
End:		0305

START POSITION (GPS)
LAT: 50 41 . 35
LONG: 129 27 . 98

BOTTOM POSITION (GPS)
LAT: 50 41 . 33
LONG: 129 28 . 05

END POSITION (GPS)
LAT: 50 41 . 31
LONG: 129 28 . 03

Comments: * POORLY MIXED - LARGE FLAKES PRESENT AFTER ACIDIFYING (ALL SAMPLES)

ROSETTE LOG

MISSION ID: 2001-08 STATION: EDO1 CAST NUMBER: 32 UTC DATE (dd/mm/yyyy): 02/06/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	pH	C13		CO2				
							OXY			ALK		CHL						
1	101	1136	2.629	B-20	✓ 3278	✓	✓	✓										
2	102	1137	2.509	3000	✓ 3000	✓												
3	103	1138	1.941	2500	✓ 2502	✓												
4	104	1141	1.350	2000	✓ 2000	✓												
5	105	1142	0.957	1750	✓ 1749													
6	106	1146	0.606	1500	✓ 1500													
7	107	1148	0.380	1250	✓ 1250													
8	108	1153	0.280	1000	✓ 1001													
9	109	1158	0.368	800	✓ 800													
10	110	1171	0.610	600	✓ 598													
11	111	1174	0.907	500	✓ 500													
12	112	1175	1.065	400	✓ 400													
13	113	1176	1.783	300	✓ 301													
14	114	1177	2.136	250	✓ 250													
15	115	1180	2.489	200	✓ 200													
16	116	1188	2.754	175	✓ 175													
17	117	1189	*4.222	150	✓ 150													
18	118	1190	3.460	125	✓ 125													
19	119	1192	5.195	100	✓ 100													
20	120	1193	6.262	75	✓ 75							✓						Schla samples
21	121	1194	6.886	50	✓ 50							✓						
22	122	1195	7.356	25	✓ 26							✓						
23	123	1197	6.881	15	✓ 15					✓	✓		✓	✓				One TCO ₂ + 1 pH
24	024	1198	6.849	0	✓			✓	✓			✓						

Comments: SAMPLE ORDER - 9, 10, 17, 3, 4, 11, 12, 5, 6, 7, 8, 13, 14 ... → 29 PUT IT IN ORDER (1-24) HOPE IT'S RIGHT. DOUG YELLAND
SAYS IT IS - HE CHECKED EACH FLASH AS SAMPLED

- BIG FLAKES IN ALL SAMPLES #109 TITRATED AS #101 BECAUSE OF ABOVE TWO #101 (DIFFERENT FLASH #)

* HUGE AIR BUBBLE in #17

SHIP: Tully
ENTERED BY: JW
CHECKED BY:

Bottom Depth: 3235

Cast # down: 32
Cast # up: 32

Time	LOC	UTC
Begin:		0510
Bottom:		0651
End:		0823

START POSITION (GPS)
LAT: 50° 14.99
LONG: 133° 49.93

BOTTOM POSITION (GPS)
LAT: 50° 15.02
LONG: 133° 49.91

END POSITION (GPS)
LAT: 50 15.01
LONG: 133 49.92

ROSETTE LOG

MISSION ID: 2001-08 STATION: ED04 CAST NUMBER: 42 UTC DATE (dd/mm/yyyy): 02/06/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO/	PH	C13		CO2				
							OXY			ARL	ATK		CHL					
1	127	84	1.385	2000	✓ 2000	✓	✓	✓										less O ₂
2	128			1750	✓ 1751	✓												
3	129			1500	✓ 1499	✓												
4	130			1250	✓ 1248	✓												
5	131	255	0.965	1000	✓ 1000	✓	✓											O ₂ too high
6	132	364	0.298	1000	✓ 1000	✓	✓											duplicate
7	133			800	✓ 798													
8	134			600	✓ 601													
9	135	392	0.962	500	✓ 502		✓											
10	136			400	✓ 401													
11	137	443	1.732	300	✓ 302		✓											
12	138			250	✓ 250													
13	139	486	2.453	200	✓ 200		✓											
14	140			175	✓ 175													
15	141	534	2.847	150	✓ 150		✓											
16	142			125	✓ 125													
17	143	535	4.623	100	✓ 101		✓											
18	144			75	✓ 75								✓					
19	145	572	6.926	50	✓ 47		✓						✓					Near chl max
20	146			25	✓ 25								✓					
21	147	588	6.901	10	✓ 11	✓	✓			✓	✓		✓	✓				
22	148			0									✓					
23																		
24																		

Comments: FLASKS OUT OF ORDER AGAIN!! ORDER OF NISK 1, 5, 21, 6, 9, 11, 19, 17, 15, 13

SHIP:
ENTERED BY: J.W.
CHECKED BY:

Bottom Depth: 3235

Cast # down: 42
Cast # up: 42

Time	LOC	UTC
Begin:		2054
Bottom:		2150
End:		

START POSITION (GPS)
LAT: 50 54.94
LONG: 133 49.99

BOTTOM POSITION (GPS)
LAT: 50 54.92
LONG: 133 49.99

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-08 STATION: ED06 CAST NUMBER: 48 UTC DATE (dd/mm/yyyy): 03/06/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	PH	C13		Cond				
							OXY				ALK		CHL					
1	150	1136	2.573	B-20	/	3196	✓	✓	✓									
2	151	1137	2.421	3000	✓		✓	✓	✓									
3	152	1138	1.858	2500	✓		✓	✓	✓									
4	153	1141	1.287	2000	✓		✓	✓	✓									
5	154	1142	0.907	1750	✓			✓	✓									
6	155	1146	0.510	1500	✓			✓	✓									
7	156	1148	0.341	1250	✓			✓	✓									
8	157	1153	0.280	1000	✓			✓	✓									
9	158	1158	0.318	800	✓			✓	✓									
10	154	1171	0.587	600	✓			✓	✓									
11	160	1174	0.970	500	✓			✓	✓									
12	161	1175	1.331	400	✓			✓	✓									
13	162	1176	1.721	300	✓			✓	✓									
14	163	1177	1.909	250	✓			✓	✓									
15	164	1180	2.223	200	✓			✓	✓									
16	165	1188	2.242	175	✓			✓	✓									
17	166	1189	2.411	150	✓			✓	✓									
18	167	1191	2.916	125	✓			✓	✓									
19	168	1192	3.916	100	✓			✓	✓									
20	169	1193	5.832	75	✓			✓	✓				✓					
21	170	1194	6.797	50	✓			✓	✓				✓					
22	171	1195	6.896	25	✓			✓	✓				✓					
23	172	1197	6.897	10	✓		✓	✓	✓	✓	✓		✓	✓				
24	173	1198	6.883	0	✓			✓	✓				✓					

Comments:

SHIP: JOHN P TULLY
ENTERED BY: FW
CHECKED BY: MR /

Bottom Depth: 3143

Cast # down: 48
Cast # up: 48

Time	LOC	UTC
Begin:		0426
Bottom:		0547
End:		0710

START POSITION (GPS)
LAT: 51° 14' 28"
LONG: 133° 42' 28"

BOTTOM POSITION (GPS)
LAT: 51° 14' 27"
LONG: 133° 49' 29"

END POSITION (GPS)
LAT: 51° 14' 26"
LONG: 133° 50' 00"

ROSETTE LOG

MISSION ID: 2001-08
STATION NAME: ED08UTC DATE y/m/d: 2001/06/03
CAST NUMBER: 55SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken													
					Trip pressure	Confirmed Salinity	SAL	OXY	NUT	CHL	ALK		TCO							
											PH	C13								
1	175	1215	1.360	2000	1999	✓		✓	✓	✓										
2	176	1216	0.932	1750		✓		✓												
3	177	1218	0.580	1500		✓		✓												
4	178	1222	0.343	1250		✓		✓												
5	179	1223	0.272	1000		✓														
6	180	1224	0.309	800		✓														
7	181	1225	0.504	600		✓														
8	182	1228	0.736	500		✓														
9	183	1230	0.741	500		✓														
10	184	1231	1.180	400		✓														
11	185	1233	1.761	300		✓														
12	186	1235	2.057	250		✓														
13	187	1237	2.365	200		✓														
14	188	1238	2.621	175		✓														
15	189	1241	2.969	150		✓														
16	190	1243	4.039	125		✓														
17	191	1244	4.710	100		✓						✓								
18	192	1247	5.905	75		✓						✓								
19	193	1248	6.869	50		✓						✓								
20	194	1249	6.932	25		✓						✓								
21	195	1251	6.886	10		✓		✓				✓	X		X	X				
22	196	1252	6.848	0		✓			↓			✓								
23																				
24																				

ENTERED BY: D.A.
CHECKED BY: H.M.Bottom Depth: 3088Cast # down: 55Cast # up: 55

Time	LOC	UTC
Begin:	0547	1247
Bottom:	0643	1343
End:	0748	1448

START POSITION (GPS)		
LAT:	51 35 05	
LONG:	133 49 966	

BOTTOM POSITION (GPS)		
LAT:	51 35 036	
LONG:	133 49 984	

END POSITION (GPS)		
LAT:	51 35 043	
LONG:	133 49 949	

Comments:

Bottle 1 leaked.

ROSETTE LOG

MISSION ID: 2001-08
STATION NAME: ED11

UTC DATE y/m/d: 01/06/04
CAST NUMBER: 67

SHIP: J. P. TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT	ALK	TCO	1000						
							OXY		CHL	PH	C13							
1	199	1136	1.851	B-20	2450	/	✓	✓	✓									
2	200	1137	1.296	2000		/	✓											
3	201	1138	0.914	1750		✓	✓											
4	202	1141	0.562	1500		/	✓											
5	203	1142	0.567	1500		/												
6	204	1146	0.364	1250		/												
7	205	1148	0.284	1000		/												
8	206	1153	0.280	1000		/												
9	207	1158	0.306	800		/												
10	208	1171	0.610	600		/												
11	209	1174	0.873	500		✓												
12	210	1175	1.371	400		/												
13	211	1176	1.981	300		/												
14	212	1177	2.266	250		/												
15	213	1180	2.489	200		/												
16	214	1188	2.687	175		/												
17	215	1189	3.082	150		/												
18	216	1191	4.222	125		/												
19	217	1192	5.043	100		/				✓								
20	218	1193	6.385	75		/				✓								
21	219	1194	6.875	50		/				✓								
22	220	1195	6.962	25		/				✓								
23	221	1197	6.993	10		/	✓		✓	✓		✓	✓					
24	222	1198	6.934	0				✓	✓	✓								

ENTERED BY:
CHECKED BY: D.A.

Bottom Depth: 2450

Cast # down: 67
Cast # up: 67

Time	LOC	UTC
Begin:		0053
Bottom:		0133
End:		0238

START POSITION (GPS)
LAT: 52 15 18
LONG: 133 49.98

BOTTOM POSITION (GPS)
LAT: 52 15 14
LONG: 133 49.96

END POSITION (GPS)
LAT: 52 15 01
LONG: 133 49.96

Comments:

ROSETTE LOG

MISSION ID: 2001-08
STATION NAME: ED08 (2)UTC DATE y/m/d: 2001/06/04
CAST NUMBER: 70SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL	PH	C13		NH4				
1	223	84	1.250	2000	1996	✓	✓	✓	✓		✓		✓					
2	224	255	0.879	1750		✓	✓											
3	225	364	0.554	1500		✓	✓											
4	226	392	0.387	1250		✓												
5	227	443	0.295	1000		✓												
6	228	486	0.317	800		✓												
7	229	535	0.591	600		✓												
8	230	534	0.817	300		✓												
9	231	572	0.835	500		✓												
10	232	588	1.253	400		✓												
11	233	632	1.850	300		✓												
12	234	650	2.176	250		✓												
13	235	657	2.488	200		✓												
14	236	695	2.687	175		✓												
15	237	697	3.035	150		✓												
16	238	707	3.544	125		✓												
17	239	708	No Sample	? 100		✓								✓				
18	240	709	6.825	75		✓								✓				
19	241	712	6.985	50		✓								✓				
20	242	715	6.902	25		✓								✓				
21	243	727	6.879	10		✓								✓				
22	244	730	6.883	0		✓								✓				
23																		
24																		

ENTERED BY: FWCHECKED BY: MRBottom Depth: 3090Cast # down: 70Cast # up: 70

Time	LOC	UTC
Begin:		1705
Bottom:		1740
End:		1825

START POSITION (GPS)	
LAT:	51° 35.01
LONG:	133° 50.00

BOTTOM POSITION (GPS)	
LAT:	51° 35.12
LONG:	133° 50.16

END POSITION (GPS)	
LAT:	51° 35.10
LONG:	133° 42.81

Comments:

Bottle 17 did not close

ROSETTE LOG

MISSION ID: 2001-08
STATION NAME: ED12UTC DATE y/m/d: 01/06/05
CAST NUMBER: 75SHIP: JOHN P TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13		colu				
1	245	1136	1.400	2000		✓	✓	✓	✓									
2	246	1137	1.006	1750		✓	✓	✓	✓									
3	247	1138	0.629	1500		✓	✓	✓	✓									
4	248	1141	0.386	1250		✓	✓	✓	✓									
5	249	1142	0.278	1000		✓												
6	250	1146	0.294	800		✓												
7	251	1148	0.316	800		✓												
8	252	1153	0.470	600		✓												
9	253	1158	0.734	500		✓												
10	254	1171	1.260	400		✓												
11	255	1174	1.768	300		✓												
12	256	1175	1.891	250		✓												
13	257	1176	2.105	200		✓												
14	258	1177	2.391	175		✓												
15	259	1180	2.444	150		✓												
16	260	1188	2.833	125		✓												
17	261	1189	3.540	100		✓				✓								
18	262	1191	4.676	75		✓				✓								
19	263	1192	6.609	50		✓				✓								
20	264	1193	6.887	25		✓				✓								
21	265	1194	14.403	10	*	✓	✓	✓	✓	✓			✓	✓	✓			
22	266	1195	6.840	0		✓		✓	✓	✓								
23																		
24																		

Comments:

* NO STIR BAR

ENTERED BY: MR
CHECKED BY: MR / DYBottom Depth: 2778Cast # down: 75Cast # up: 75

Time	LOC	UTC
Begin:		<u>0602</u>
Bottom:		<u>0640</u>
End:		

START POSITION (GPS)		
LAT:	<u>51°15.00</u>	
LONG:	<u>132°30.02</u>	

BOTTOM POSITION (GPS)		
LAT:	<u>51°15.00</u>	
LONG:	<u>132°30.01</u>	

END POSITION (GPS)		
LAT:	<u>51°14.95</u>	
LONG:	<u>132°30.00</u>	

ROSETTE LOG

MISSION ID: 2001-08
STATION NAME: ED15UTC DATE y/m/d: 01/06/05
CAST NUMBER: 82 86SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
							OXY		CHL	PH	CI3		NH4					
1	269	1136	1.343	2000		✓	✓	✓	✓									
2	270	1137	0.911	1750		✓	✓											
3	271	1138	0.546	1500		✓	✓											
4	272	1141	0.335	1250		✓												
5	273	1142	0.278	1000		✓												
6	274	1146	0.364	800		✓												
7	275	1148	0.393	750		✓											crap!	
8	276	1153	0.749	600		✓												
9	277	1158	1.001	500		✓												
10	278	1171	1.219	400		✓												
11	279	1174	1.683	300		✓												
12	280	1175	1.846	250		✓												
13	281	1176	2.161	200		✓												
14	282	1177	2.221	175		✓												
15	283	1180	2.477	150		✓												
16	284	1188	2.946	125		✓												
17	285	1189	3.758	100		✓				✓			✓					
18	286	1191	5.730	75		✓				✓			✓					
19	287	1192	6.733	50		✓				✓			✓					
20	288	1193	6.887	25		✓				✓			✓					
21	289	1194	6.853	10		✓	✓		✓	✓			✓					
22	290	1195	6.863	0		✓	✓	✓	✓	✓			✓					
23																		
24																		

ENTERED BY:
CHECKED BY: DLMBottom Depth: 3193Cast # down: 86Cast # up: 86

Time	LOC	UTC
Begin:		1904
Bottom:		1943
End:		2104

START POSITION (GPS)		
LAT:	51	15 00
LONG:	133	59 86

BOTTOM POSITION (GPS)		
LAT:	51	15 01
LONG:	133	59 95

END POSITION (GPS)		
LAT:	51	14 99
LONG:	134	00 01

Comments:

ROSETTE LOG

MISSION ID: 2001-08
STATION NAME: ED18UTC DATE y/m/d: 01/06/07
CAST NUMBER: 102SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		CHL	TCO						
1	294	1136	1.519	2000		✓	✓	✓	✓		✓	✓						
2	295	1137	0.980	1750		✓	✓											
3	296	1138	0.591	1500		✓	✓											
4	297	1141	0.386	1250		✓												
5	298	1142	0.309	1000		✓												
6	299	1146	0.377	800		✓												
7	300	1148	0.559	600		✓												
8	301	1153	0.838	500		✓												
9	302	1158	1.200	400		✓												
10	303	1171	1.858	300		✓												
11	304	1174	2.374	250		✓												
12	305	1175	2.372	250		✓												
13	306	1176	3.052	200		✓												
14	307	1177	3.370	175		✓												
15	308	1180	4.117	150		✓												
16	309	1188	5.761	125		✓												
17	310	1189	6.750	100		✓				✓								
18	311	1191	6.929	75		✓				✓								
19	312	1192	6.969	50		✓				✓								
20	313	1193	7.010	25		✓				✓								
21	314	1194	6.909	10		✓	✓			✓								
22	315	1195	6.890	0		✓				✓								
23	313.6	1203	6.976	25														
24	315.6	1197	6.886	0														

ENTERED BY: SW
CHECKED BY: MRBottom Depth: 3530Cast # down: 102Cast # up: 102

Time	LOC	UTC
Begin:		0255
Bottom:		0337
End:		0434

START POSITION (GPS)	
LAT:	51° 15' 00
LONG:	135° 29' 96

BOTTOM POSITION (GPS)	
LAT:	51° 15' 00
LONG:	135° 30' 00

END POSITION (GPS)	
LAT:	51° 15' 02
LONG:	135° 29' 99

Comments:

SAMPLES NOT STORED IN COLD ROOM (7 HRS)

ROSETTE LOG

MISSION ID: 2001-08
STATION NAME: ED-19UTC DATE y/m/d: 01/06/07
CAST NUMBER: 107SHIP: JOHN P TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO		CO ₂			
								OXY		CHL		Cl3		pH		NH ₄		
1	316	1136	3.056	B-20	3507	✓	✓	✓										
2	317	1137	2.559	3000	3000	✓	✓	✓										
3	318	1138	2.010	2500	2499	✓	✓	✓										
4	319	1141	1.319	2000	2000	✓	✓	✓										
5	320	1142	0.976	1750	1749	✓												
6	321	1146	0.631	1500	1500	✓												
7	322	1148	0.418	1250	1250	✓												
8	323	1153	0.362	1000	999	✓												
9	324	1158	0.405	800	800	✓												
10	325	1171	0.459	600	600	✓												
11	326	1174	0.550	500	498	✓												
12	327	1175	0.856	400	400	✓												
13	328	1176	1.535	300	299	✓												
14	329	1177	1.853	250	250	✓												
15	330	1180	2.297	200	200	✓												
16	331	1188	2.591	175	175	✓												
17	332	1189	2.786	150	150	✓												
18	333	1191	3.785	125	124	✓												
19	334	1192	5.465	100	100	✓				✓					✓	✓		
20	335	1193	6.932	75	74.5	✓				✓					✓	✓		
21	336	1194	7.138	50	50	✓				✓					✓	✓		
22	337	1195	7.206	25	25	✓				✓					✓	✓		
23	338	1209	7.029	10	9.5	✓	✓			✓					✓	✓		
24	339	1198	7.047	0	2.5	✓		✓		✓					✓	✓		

Comments:

ENTERED BY: WRC

CHECKED BY:

Bottom Depth: 3455Cast # down: 107Cast # up: 107

Time	LOC	UTC
Begin:		1833
Bottom:		1950
End:		2132

START POSITION (GPS)	
LAT:	52 45.02
LONG:	137 00.04

BOTTOM POSITION (GPS)	
LAT:	52 45.03
LONG:	137 00.07

END POSITION (GPS)	
LAT:	52 45.03
LONG:	137 00.07

ROSETTE LOG

MISSION ID: 2001-08
STATION NAME: ED-20UTC DATE y/m/d: 2001/06/08
CAST NUMBER: 115SHIP: J.P. Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO		NH4			
1	340	1215	1.516	2000		✓	✓	✓	✓									
2	341			1750		✓	✓	✓	✓									
3	342			1500		✓	✓											
4	343	1216	0.427	1250 *		✓		✓										
5	344			1000		✓												
6	345	1218	0.316	800		✓		✓										
7	346	1222	0.428	600		✓		✓										
8	347	1223	0.622	500		✓		✓										
9	348			400		✓												
10	349	1224	1.427	300		✓		✓										
11	350			250		✓												
12	351			250		✓												
13	352	1225	2.288	200		✓		✓										
14	353			175		✓												
15	354	1228	2.709	150		✓		✓										
16	355	1230	3.157	125		✓		✓										
17	356			100		✓									✓✓			
18	357			75		✓									✓✓			
19	358	1231	7.124	50		✓		✓							✓✓			
20	359			25		✓									✓✓			
21	360	1233	7.031	10		✓	✓	✓					✓	✓	✓✓			
22	361			0		✓									✓✓			
23																		
24																		

ENTERED BY: WRC
CHECKED BY:Bottom Depth: 3386Cast # down: 115Cast # up: 115

Time	LOC	UTC
Begin:		1951
Bottom:		2036
End:		2137

START POSITION (GPS)		
LAT:	53	15 01
LONG:	138	09 97

BOTTOM POSITION (GPS)		
LAT:	53	15 04
LONG:	138	10 00

END POSITION (GPS)		
LAT:	53	15 03
LONG:	138	10 01

Comments:

* #4 - BOT 1216 LABELED AS 1750 IN COMPUTER INSTEAD OF 1250

ROSETTE LOG

MISSION ID:

2001-08

UTC DATE y/m/d:

2001/06/09

SHIP:

Tully

STATION NAME:

ED 25

CAST NUMBER:

133

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
							OXY		CHL	PH	C13							
1	366	1215	1.455	2000		✓		✓	✓	✓		✓		✓				
2	367			1750		✓		✓										
3	368	1216	0.637	1500		✓		✓										
4	369			1250		✓												
5	370	1218	0.349	1000		✓			✓									
6	371			800		✓												
7	372	1222	0.585	600		✓			✓									
8	373			500		✓												
9	374	1223	1.147	400		✓			✓									
10	375	1224	1.137	400		✓			✓									
11	376	1225	1.802	300		✓			✓									
12	377			250		✓												
13	378	1228	2.387	200		✓			✓									
14	379			175		✓												
15	380	1230	2.764	150		✓			✓									
16	381			125		✓												
17	382	1231	5.929	100		✓			✓					✓				
18	383			75		✓								✓				
19	384	1233	6.975	50		✓			✓					✓				
20	385			25		✓								✓				
21	386	1235	7.065	10		✓		✓		✓				✓				
22	387			0		✓				✓				✓				
23																		
24																		

Comments:

ENTERED BY:

WRC

CHECKED BY:

MR/

Bottom Depth:

3166

Cast # down:

133

Cast # up:

133

Time

LOC

UTC

Begin:

1750

Bottom:

1829

End:

1920

START POSITION (GPS)

LAT:

54 24 78

LONG:

138 10 06

BOTTOM POSITION (GPS)

LAT:

54 24 93

LONG:

138 10 03

END POSITION (GPS)

LAT:

54 24 86

LONG:

138 10 06

ROSETTE LOG

MISSION ID: 2001-08
STATION NAME: ED28 (edge)

UTC DATE y/m/d: 01/06/11
CAST NUMBER: 155

SHIP: Tully

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken											
Trip	Confirmed	SAL		NUT		ATK		TCO					
pressure	Salinity		OXY		CHL	pH	C13		NH ₄				

1	390	1136	1.306	2000	✓	✓	✓	✓	✓	✓			
2	391	1137	0.911	1750	✓	✓	✓	✓	✓	✓			
3	392	1138	0.572	1500	✓	✓	✓	✓	✓	✓			
4	393	1141	0.386	1250	✓	✓	✓	✓	✓	✓			
5	394	1142	0.347	1000	✓	✓	✓	✓	✓	✓			
6	395	1146	0.396	800	✓	✓	✓	✓	✓	✓			
7	396	1148	0.579	600	✓	✓	✓	✓	✓	✓			
8	397	1153	0.559	600	✓	✓	✓	✓	✓	✓			
9	398	1158	0.840	500	✓	✓	✓	✓	✓	✓			
10	399	1171	1.237	400	✓	✓	✓	✓	✓	✓			
11	400	1174	1.853	300	✓	✓	✓	✓	✓	✓			
12	401	1175	2.214	250	✓	✓	✓	✓	✓	✓			
13	402	1176	2.686	200	✓	✓	✓	✓	✓	✓			
14	403	1177	2.861	175	✓	✓	✓	✓	✓	✓			
15	404	1180	3.258	150	✓	✓	✓	✓	✓	✓			
16	405	1188	4.297	125	✓	✓	✓	✓	✓	✓			
17	406	1189	6.610	100	✓	✓	✓	✓	✓	✓			
18	407	1191	6.924	75	✓	✓	✓	✓	✓	✓			
19	408	1192	7.025	50	✓	✓	✓	✓	✓	✓			
20	409	1193	6.993	25	✓	✓	✓	✓	✓	✓			
21	410	1194	6.914	10	✓	✓	✓	✓	✓	✓			
22	411	1195	6.885	0	✓	✓	✓	✓	✓	✓			
23													
24													

ENTERED BY: FW
CHECKED BY: DA/MR

Bottom Depth: 2989

Cast # down: 155
Cast # up: 155

Time	LOC	UTC
Begin:		1318
Bottom:		1404
End:		1453

START POSITION (GPS)
LAT: 54 55.00
LONG: 138 09 85

BOTTOM POSITION (GPS)
LAT: 54 55.00
LONG: 138 09 79

END POSITION (GPS)
LAT: 54 55.07
LONG: 138 09 27

Comments:

ROSETTE LOG

MISSION ID: 2001-08
STATION NAME: ED 30

UTC DATE y/m/d: 2001/6/11
CAST NUMBER: 161

SHIP: Tully

[illegible]

ENTERED BY:	
CHECKED BY:	

Bottom Depth: 2995

Cast # down: 161

Cast # up: 161

Time	LOC	UTC
Begin:		2129
Bottom:		2213
End:		2312

START POSITION (GPS)	
LAT:	35 30.02
LONG:	138 09.96

BOTTOM POSITION (GPS)	
LAT:	55 30.25
LONG:	138 09.96

END POSITION (GPS)
LAT: 55 30.34
LONG: 138 09.73

Comments:

↓ FORGOT STEERBAR AND OVERSHOT

ROSETTE LOG

MISSION ID:

2001-08

UTC DATE y/m/d:

01/06/12

STATION NAME:

ED33 (DICKINS SM7)

CAST NUMBER:

168

SHIP:

Tully

Niskin
No.Sample
No.OXY.
FlaskOXY.
Temp.Sample
DepthROSETTE OPERATION
Trip
pressureConfirmed
Salinity

Samples taken

SAL

NUT

ALK

TCO

OXY

CHL

pH

C13

CO2

1	437	1281	0.674	B-20	483	✓	✓	✓	✓										
2	438			400		✓	✓												
3	439			350		✓	✓												
4	440	1282	1.759	300		✓	✓												
5	441			250		✓													
6	442	1283	2.146	200		✓	✓												
7	443			175		✓													
8	444	1284	2.387	150		✓	✓												
9	445			125		✓													
10	446	1285	4.197	100		✓	✓		✓										
11	447			75		✓			✓										
12	448	1286	6.957	50		✓	✓		✓										
13	449			25		✓			✓										
14	450	1287	7.144	10		✓	✓		✓	✓		✓	✓						
15	451			0				✓	✓										
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:

JW

CHECKED BY:

Bottom Depth:

491

Cast # down:

168

Cast # up:

168

Time

LOC

UTC

Begin:

1125

Bottom:

1147

End:

1206

START POSITION (GPS)

LAT:

54 32.95

LONG:

136 53.97

BOTTOM POSITION (GPS)

LAT:

54 32.83

LONG:

136 53.98

END POSITION (GPS)

LAT:

54 32.80

LONG:

136 54 01

Comments:

ROSETTE LOG

MISSION ID: 2001-08
STATION NAME: 5036 (Arge)UTC DATE y/m/d: 2001/6/12
CAST NUMBER: 175SHIP: JOHN P. TULLYNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken													
Trip	Confirmed	SAL		NUT		ALK		TCO							
pressure	Salinity		OXY		CHL		CI3								
1	✓	✓	✓	✓											
2	✓	✓													
3	✓	✓													
4	✓	✓	✓												
5	✓	✓	✓												
6	✓														
7	✓		✓												
8	✓														
9	✓		✓												
10	✓														
11	✓		✓												
12	✓														
13	✓		✓												
14	✓														
15	✓		✓												
16	✓														
17	✓		✓		✓										
18	✓				✓										
19	✓		✓		✓										
20	✓				✓										
21	✓	✓	✓	✓	✓			✓							
22					✓										
23															
24															

ENTERED BY: M.R.

CHECKED BY:

Bottom Depth: 2834Cast # down: 175Cast # up: 175

Time	LOC	UTC
Begin:		<u>2125</u>
Bottom:		<u>2207</u>
End:		<u>2256</u>

START POSITION (GPS)		
LAT:	<u>54</u>	<u>30.00</u>
LONG:	<u>135</u>	<u>30.01</u>

BOTTOM POSITION (GPS)		
LAT:	<u>54</u>	<u>30.03</u>
LONG:	<u>135</u>	<u>29.97</u>

END POSITION (GPS)		
LAT:	<u>54</u>	<u>30.09</u>
LONG:	<u>135</u>	<u>29.94</u>

Comments:

ROSETTE LOG

MISSION ID: 2001-08
STATION NAME: Z3UTC DATE y/m/d: 01 06 16
CAST NUMBER: 180SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp m/l/l	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	479	1136	1.348	2000		✓	✓	✓	✓									
2	480			1750		✓	✓											
3	481	1137	.697	1500		✓	✓	✓										
4	482			1250		✓												
5	483	1138	.439	1000		✓		✓										
6	484			800		✓												
7	485	1141	.538	600		✓		✓										
8	486			500		✓												
9	487			400		✓												
10	488	1142	.726	300		✓		✓										
11	489	1146	.747	300		✓		✓										
12	490			250		✓												
13	491	1148	1.101	200		✓		✓										
14	492			175		✓												
15	493			150		✓												
16	494			125		✓												
17	495	1153	5.843	100		✓		✓		✓								
18	496			75		✓				✓								
19	497	1158	7.218	50		✓		✓		✓								
20	498			25		✓				✓								
21	499	1171	7.180	10		✓	✓	✓		✓			✓					
22	500			0	2.3	✓			✓	✓								
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 4010Cast # down: 180Cast # up: 180

Time	LOC	UTC
Begin:	<u>0252</u>	<u>0952</u>
Bottom:	<u>0341</u>	<u>1041</u>
End:		<u>1143</u>

START POSITION (GPS)
LAT: <u>53° 00.009</u>
LONG: <u>144° 59.938</u>

BOTTOM POSITION (GPS)
LAT: <u>52 59 992</u>
LONG: <u>144 59 962</u>

END POSITION (GPS)
LAT: <u>53 00 015</u>
LONG: <u>145 00 132</u>
Hand O ₂ <u>.002/.007/.002</u>
<u>.005/.004</u>
<u>.004/</u>
Standard O ₂ <u>.713/.713/.713</u>

ROSETTE LOG

MISSION ID: 2001-08
STATION NAME: Z3

(DMS)

UTC DATE y/m/d: 01 06 16CAST NUMBER: 182SHIP: TULLYNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. DepthROSETTE OPERATION
Trip Confirmed
pressure SalinitySamples taken
SAL NUT ~~HL~~ HPLC ~~HL~~
OXY CHL DMS ~~HL~~ Oxy

1	501			200	201	✓					✓								
2	502			175	174	✓					✓								
3	503			190	99	✓					✓								
4	504			50	48	✓					✓								
5	505			40	41	✓					✓								
6	506			35	34	✓					✓								
7	507			30	30	✓				✓	✓	✓	✓						
8	508			25	25	✓					✓								
9	509			20	20	✓				✓	✓	✓	✓						
10	510			15	15	✓					✓								
11	511			10	10	✓				✓	✓	✓	✓						
12	512			5	5	✓					✓								
13	513			0	2	✓				✓	✓	✓	✓						
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

+ PAR

ENTERED BY:

CHECKED BY:

Bottom Depth: 4107Cast # down: 182Cast # up: 182

Time LOC UTC

Begin: 1245 1945Bottom: 1251 1951End: 1311 2011

START POSITION (GPS)

LAT: 52°59.986LONG: 144°59.863

BOTTOM POSITION (GPS)

LAT: 52°59.979LONG: 144°59.892

END POSITION (GPS)

LAT: 52° 59.973LONG: 144° 59.958

Comments:

ROSETTE LOG

MISSION ID: 2001-08 STATION: PRO2 CAST NUMBER: 184 UTC DATE (dd/mm/yyyy): 17/06/01

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	FOC					
1	514			1000	✓	✓												
2	515			800	✓	✓												
3	516			600	✓	✓												
4	517			10		✓		✓				✓	✓					
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 4189

Cast # down: 184
Cast # up: 184

Time	LOC	UTC
Begin:		1305
Bottom:		1332
End:		1349

START POSITION (GPS)
LAT: 51 10.01
LONG: 145 50.03

BOTTOM POSITION (GPS)
LAT: 51 10 08
LONG: 145 49.80

END POSITION (GPS)
LAT: 51 09 93
LONG: 145 49 98

ROSETTE LOG

MISSION ID: 2001-08 STATION: P26 CAST NUMBER: 186 UTC DATE (dd/mm/yyyy): 18 / 06 / 2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13			HPCL	
							OXY					CHL	DMS	CO2		
1	518	1136	3.270	B-20	/ 4233	✓	✓	✓		✓		✓				
2	519	1137	3.255	4000	/ 4000	✓				✓						
3	520	1138	2.979	3500	✓	✓										
4	521	1141	2.615	3000	✓											
5	522	1142	2.015	2500	✓											
6	523	1146	1.693	2250	✓											
7	524	1148	1.340	2000	✓											
8	525	1153	0.992	1750	✓											
9	526	1158	0.661	1500	✓											
10	527	1171	0.448	1250	✓											
11	528	1174	0.386	1000	✓											
12	529	1175	0.454	800	✓											
13	530	1176	0.555	600	✓											
14	531	1177	0.927	400	✓											
15	532	1180	1.005	300	✓											
16	533	1188	1.996	200	✓								✓			
17	534	1189	3.825	150	✓								✓			poor endpoint
18	535	1191	6.960	100	✓								✓	✓		
19	536	1192	7.158	75	✓								✓	✓		
20	537	1193	7.254	50	✓								✓	✓		poor.
21	538	1194	7.175	30	✓								✓	✓	✓	OK
22	539	1195	7.172	20	✓								✓	✓	✓	✓
23	540	1197	7.159	10	✓	✓				✓			✓	✓	✓	✓
24	541	1198	7.152	0	✓		✓	✓		✓			✓	✓	✓	

Comments:

SHIP: Tully
ENTERED BY: JW
CHECKED BY:

Bottom Depth: 4249

Cast # down: 186
Cast # up: 186

Time	LOC	UTC
Begin:	0958	1658
Bottom:	1143	1843
End:		2041

START POSITION (GPS)
LAT: 50 00 00
LONG: 145 00 16

BOTTOM POSITION (GPS)
LAT: 49 59.34
LONG: 145 01.14

END POSITION (GPS)
LAT: 50 00 07
LONG: 145 02.17

ROSETTE LOG

MISSION ID: 2001-08 STATION: P26 CAST NUMBER: 187 UTC DATE (dd/mm/yyyy): 19/06/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	COCCO		DM5			
1	542			200	✓									✓				
2	543			175	✓													
3	544			100	✓							✓	✓					
4	545			50	✓							✓	✓					
5	546			40	✓													
6	547			35	✓													
7	548			30	✓													
8	549			25	✓							✓	✓					
9	550			20	✓													
10	551			15	✓													
11	552			10	✓							✓	✓					
12	553			5	✓													
13	554			0	✓ 2.							✓	✓		✓			
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 4253

Cast # down: 187
Cast # up: 187

Time	LOC	UTC
Begin:		1114
Bottom:		1121
End:		1132

START POSITION (GPS)
LAT: 50 00.01
LONG: 145 00.40

BOTTOM POSITION (GPS)
LAT: 49 59.97
LONG: 145 00 45

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-08 STATION: P24 CAST NUMBER: 190 UTC DATE (dd/mm/yyyy): 20/06/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	557			1500	✓	✓												
2	558			1200	✓	✓												
3	559			1000	✓	✓												
4	560			10		✓		✓				✓						
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
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15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: JOHN P TULLY
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1354
Bottom:		
End:		

START POSITION (GPS)
LAT: 4950.10
LONG: 14239.81

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

DMS-1

MISSION ID: 2001-08

STATION: P 20

CAST NUMBER: 196

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		CI3		CHL				
						OXY				ALK				CHL		WCO	DMS	
1	564			200	✓											✓		
2	565			175	✓													
3	566			100	✓								✓	✓				
4	567			50	✓								✓	✓				
5	568			40	✓													
6	569			35	✓													
7	570			30	✓								✓	✓				
8	571			25	✓													
9	572			20	✓								✓	✓				
10	573			15	✓													
11	574			10	✓								✓	✓				
12	575			5	✓													
13	576			0	✓	2.5							✓	✓	✓			
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: J A TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 196

Cast # up: 196

TimeLOCUTC

Begin:1158

Bottom:

End:1213

START POSITION (GPS)

LAT: 49 34.02

LONG: 138 40.07

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2001-08

STATION: P20

CAST NUMBER: 197

UTC DATE (dd/mm/yyyy): 21 06 2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ABC	CHL	DMS	HPIC	Coccol			
1	577			1000	✓	✓				✓✓								LISA Replicates
2	578			1000	✓	✓				✓✓								
3	579			1000	✓	✓				✓✓								
4	580			1000	✓	✓				✓✓								
5	581			1000	✓	✓				✓✓								
6	582			200	✓								✓					
7	583			175	✓													
8	584			100	✓													
9	585			50	✓													
10	586			40	✓													
11	587			35	✓													
12	588			30	✓									✓	✓			
13	589			25	✓													
14	590			20	✓									✓	✓			
15	591			15	✓													
16	592			10	✓									✓	✓			
17	593			5	✓									✓				
18	594			0	✓								✓	✓	✓			
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 3969

Cast # down: 197

Cast # up:

Time	LOC	UTC
Begin:	1308	2008
Bottom:	1328	2028
End:	1358	2058

START POSITION (GPS)

LAT: 49° 33. 960

LONG: 138° 39. 990

BOTTOM POSITION (GPS)

LAT: 49° 33. 85

LONG: 138° 39. 94

END POSITION (GPS)

LAT: 49° 33. 83

LONG: 138° 40. 02

ROSETTE LOG

MISSION ID: 2001-08

STATION: P20

CAST NUMBER: 198

UTC DATE (dd/mm/yyyy): 21 06 2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	595		3.039	3-20	✓ 4032	✓	✓	✓		✓								
2	596		2.883	3500	✓	✓												
3	597		2.529	3000	✓	✓												
4	598		1.938	2500	✓	✓												
5	599		1.633	2250	✓	✓												
6	600		1.308	2000	✓													
7	601		1.305	2000	✓													
8	602	1277	.905	1750	✓													
9	603	1278	.537	1500	✓													
10	604	1279	.365	1250	✓													
11	605	1280	.356	1000	✓													
12	606	1281	.403	800	✓													
13	607		0.582	600	✓													
14	608		1.145	400	✓													
15	609	1284	1.652	300	✓													218
16	610		2.079	250	✓													
17	611		2.618	200	✓													
18	612		3.457	150	✓													
19	613		6.871	100	✓													
20	614		6.952	75	✓													
21	615		7.243	50	✓													
22	616		7.240	25	✓													
23	617		6.829	10	✓	✓						✓						
24	618		6.890	0	✓			↓	↓	↓								

Comments:

SHIP: Tuuy

ENTERED BY:

CHECKED BY:

Bottom Depth: 3969

Cast # down: 198

Cast # up:

TimeLOCUTC

Begin: 14482148

Bottom: 16152315

End: 0055

START POSITION (GPS)

LAT: 49° 34.040

LONG: 138° 40.00

BOTTOM POSITION (GPS)

LAT: 49 33.85

LONG: 138 39.93

END POSITION (GPS)

LAT: 49 34.08

LONG: 138 39.97

Scatter

ROSETTE LOG

MISSION ID: 2001-08 STATION: P20 CAST NUMBER: 199 UTC DATE (dd/mm/yyyy): 22/06/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13							
							OXY				ALK		CHL	DIS					
1	619			200	✓									✓					
2	620			175	✓														
3	621			100	✓														
4	622			50	✓														
5	623			40	✓														
6	624			35	✓														
7	625			30	✓														
8	626			25	✓														
9	627			20	✓														
10	628			15	✓														
11	629			10	✓														
12	630			5	✓														
13	631			0	✓														
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

SHIP: J.P. TULLY
ENTERED BY:
CHECKED BY: MR

Bottom Depth: 3968

Cast # down: 199
Cast # up: 199

Time	LOC	UTC
Begin:		0305
Bottom:		0309
End:		0323

START POSITION (GPS)
LAT: 49 34 08
LONG: 138 40 14

BOTTOM POSITION (GPS)
LAT: 49 34 12
LONG: 138 40 08

END POSITION (GPS)
LAT: 49 34 11
LONG: 138 40 11

ROSETTE LOG

MISSION ID: 2001-08

STATION: P16

CAST NUMBER: 203

UTC DATE (dd/mm/yyyy): 22/06/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		GP						
							OXY			ALK	bns	CHL	HPK	Coeco				
1	635			200	✓							✓						
2	636			175	✓													
3	637			100	✓													
4	638			50	✓													
5	639			40	✓													
6	640			35	✓													
7	641			30	✓								✓	✓	✓			
8	642			25	✓													
9	643			20	✓								✓	✓	✓			
10	644			15	✓													
11	645			10	✓								✓	✓	✓			
12	646			5	✓													
13	647			0	✓							✓	✓	✓				
14																		
15	648	Go FLO		0														
16	649	Go FLO		5														
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY: BM

Bottom Depth: 3640

Cast # down: 203

Cast # up: 203

Time	LOC	UTC
Begin:		2324
Bottom:		2329
End:		2337

START POSITION (GPS)

LAT: 49.16.96

LONG: 134.39.92

BOTTOM POSITION (GPS)

LAT: 49.16.88

LONG: 134.39.81

END POSITION (GPS)

LAT: 49.16.91

LONG: 134.39.78

ROSETTE LOG

MISSION ID: 2001-08

STATION: P16

CAST NUMBER: 204

UTC DATE (dd/mm/yyyy): 23/06/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure													
						SAL		NUT		TCO		C13						
							OXY				ALK	CHL						
1	648	*	2.763	B-20	✓ 3500	✓	✓	✓		✓								
2	649	*	2.435	3000	✓	✓												
3	650	*	1.940	2500	✓	✓												
4	651		1.633	2250	✓	✓												
5	652		1.238	2000	✓	✓												
6	653		0.888	1750	✓	✓												
7	654		0.528	1500	✓													
8	655		0.344	1250	✓													
9	656		0.321	1000	✓													
10	657		0.426	800	✓													
11	658		0.617	600	✓													
12	659		1.327	400	✓													
13	660		2.026	300	✓													
14	661		2.500	250	✓													
15	662		3.101	200	✓													
16	663		3.597	175	✓													
17	664		4.586	150	✓													
18	665		6.145	125	✓													
19	666		6.797	100	✓													
20	667		6.929	75	✓													
21	668		7.162	50	✓													
22	669		6.805	25	✓													
23	670		6.772	10	✓	✓						✓						
24	671		6.749	0	✓													

Comments: Winch spooling popped out of gear on up cast, went down to 3350 to fix problem. First 3 bottles taken before fixing same problem.

SHIP: Tully

ENTERED BY: F.W

CHECKED BY: MR

Bottom Depth: 3639

Cast # down: 204

Cast # up: 204

Time	LOC	UTC
Begin:		0302
Bottom:		0401
End:		0608

START POSITION (GPS)

LAT: 49°16.98

LONG: 134°40.01

BOTTOM POSITION (GPS)

LAT: 49°17.05

LONG: 134°39.86

END POSITION (GPS)

LAT: 49°17.29

LONG: 134°39.66

ROSETTE LOG

MISSION ID: 2001-08 STATION: P12 CAST NUMBER: 209 UTC DATE (dd/mm/yyyy): 24 06 2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	675		2383	B-20	✓	3272	✓	✓	✓	✓								
2	676		2217	2750	✓		✓											
3	677		1967	2500	✓		✓											
4	678		1.680	2250	✓		✓											
5	679		1.361	2000	✓													
6	680		.966	1750	✓													
7	681		.652	1500	✓		✓											floor and point
8	682		.601	1500	✓		✓											
9	683		.394	1250	✓													
10	684		.319	1000	✓													
11	685		.358	800	✓													
12	686		.654	600	✓													
13	687		1.626	400	✓													
14	688		2.317	300	✓													
15	689		3.294	200	✓													
16	690		5.302	150	✓													
17	691		6.610	100	✓								✓					
18	692		6.904	75	✓								✓					
19	693		7.028	50	✓								✓					
20	694		6.722	25	✓								✓					
21	695		6.611	10	✓		✓						✓					
22	696		6.564	0	✓			✓		✓			✓					
23																		
24																		

Comments:

SHIP: JOHN PULLY
ENTERED BY: M.R.
CHECKED BY:

Bottom Depth: 3241

Cast # down: 209
Cast # up:

Time LOC UTC
Begin: 0110 0810
Bottom: 0202 0902
End: 0315 1015

START POSITION (GPS)
LAT: 48° 58.213
LONG: 130° 40.022

BOTTOM POSITION (GPS)
LAT: 48° 58.14
LONG: 130° 39.92

END POSITION (GPS)
LAT: 48 58 45
LONG: 130 40 15

ROSETTE LOG

MISSION ID: 2001-08 STATION: P12 CAST NUMBER: 211 UTC DATE (dd/mm/yyyy): 24/06/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	DMS	HPIC	Cocco		
1	697			290	✓									✓				
2	698			175	✓													
3	699			100	✓													
4	700			50	✓													
5	701			40	✓													
6	702			35	✓													
7	703			30	✓								✓		✓	✓		
8	704			25	✓													
9	705			20	✓								✓		✓	✓		
10	706			15	✓													
11	707			10	✓								✓		✓	✓		
12	708			5	✓													
13	709			0	✓								✓	✓	✓	✓		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 3239

Cast # down: 211

Cast # up:

Time	LOC	UTC
Begin:		1949
Bottom:		1954
End:		2008

START POSITION (GPS)

LAT: 48 58.238

LONG: 130 40.020

BOTTOM POSITION (GPS)

LAT: 48 58.253

LONG: 130 39.988

END POSITION (GPS)

LAT: 48 58 21

LONG: 130 39 92

Comments:

ROSETTE LOG

DMS/PAR

MISSION ID: 2001-08 STATION: P4 CAST NUMBER: 219 UTC DATE (dd/mm/yyyy): 25/06/2001.

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		DMS		CO2		
						OXY				ALK		CHL		PAR				
1	717			200	✓									✓				
2	718			175	✓													
3	719			100	✓													
4	720			50	✓													
5	721			40	✓													
6	722			35	✓													
7	723			30	✓								/		✓	✓		
8	724			25	✓													
9	725			20	✓								✓		/	✓		
10	726			15	✓													
11	727			10	✓								✓		/	✓		
12	728			5	✓													
13	729			0	✓								✓	✓	✓	✓		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: JOHN P TULLY

ENTERED BY: MR

CHECKED BY:

Bottom Depth:

Cast # down: 219

Cast # up:

Time	LOC	UTC
Begin:	1309	2009
Bottom:	1313	2013
End:	1327	2027

START POSITION (GPS)

LAT: 48 38 937

LONG: 126 39 932

BOTTOM POSITION (GPS)

LAT: 48 38.95

LONG: 126 39.94

END POSITION (GPS)

LAT: 48 38 98

LONG: 126 40 06

ROSETTE LOG

MISSION ID: 2001-08 STATION: P4 CAST NUMBER: 220 UTC DATE (dd/mm/yyyy): 26/06/2001

Niskin No.	Sample No.	OXY. Flask	OXY. mhl	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		100	C13					
						OXY				ALK		CHL				
1	730	1215	0.514	B-20	✓ 1318	✓	✓	✓		✓						
2	731	1216	0.341	1250	✓	✓										
3	732	1218	0.265	1000	✓	✓										
4	733	1222	0.219	800	✓	✓										
5	734	1223	0.425	600	✓	✓										
6	735	1224	1.095	400	✓											
7	736	1225	1.100	400	✓											
8	737	1228	1.908	300	✓											
9	738	1230	2.212	250	✓											
10	739	1231	2.823	200	✓											
11	740	1233	3.195	175	✓											
12	741	1235	3.369	150	✓											
13	742	1237	4.302	125	✓											
14	743	1238	4.304	125	✓											
15	744	1241	5.700	100	✓											
16	745	1243	6.599	75	✓											
17	746	1244	6.862	50	✓											
18	747	1247	7.028	25	✓	✓						✓				
19	748	1248	6.441	10	✓	✓	✓	✓				✓				
20	749	1249	6.369	10			✓	✓								
21																
22																
23																
24																

Comments: no bottles onboard for TCO2 samples.

Wierd 18 - 19 - 20 - 21 - 22 - 23 - 24

SHIP: TULLY
ENTERED BY: AW
CHECKED BY: MR

Bottom Depth: 1315

Cast # down: 220
Cast # up: 220

Time	LOC	UTC
Begin:		0303
Bottom:		0322
End:		0408

START POSITION (GPS)
LAT: 48° 38' 96
LONG: 126° 39' 90

BOTTOM POSITION (GPS)
LAT: 48° 39' 04
LONG: 126° 39' 99

END POSITION (GPS)
LAT: 48° 39' 01
LONG: 126° 39' 97