

ROSETTE LOG

MISSION ID: 2002-01 STATION: SIO3 CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 06/02/02

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	1	1228	0.00	Bot-10	✓	✓	✓	✓										ANOXIC
2	2	1231	0.00	200	✓	✓	✓	✓										ANOXIC
3	3	1233	0.048	175	✓													ANOXIC - NO
4	4	1235	0.037	175	✓													
5	5	1237	0.099	150	✓													
6	6	1238	0.048	125	✓													
7	7	1241	0.309	100	✓							✓						
8	8	1243	4.297	75	✓							✓						
9	9	1244	4.906	50	✓							✓						
10	10	1247	4.651	25	✓							✓						
11	11	1248	4.683	10	✓							✓						
12	12	1249	5.101	0	✓	✓	✓	✓				✓						
13																		
14																		
15																		
16																		V2 V6
17																		.739 x .006
18																		.733 x .010
19																		.734 x .003
20																		.724 x
21																		.726 x V2
22																		.734 x
23																		.731 ✓
24																		

ROSETTE LOG

MISSION ID: 2002-61 STATION: P4 CAST NUMBER: 7 UTC DATE (dd/mm/yyyy): 07/02/2002

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	17	1228	0.569	Bot-10	✓ 1315	✓		✓		✓								
2	18	1231	0.459	1250	✓													
3	19	1233	0.430	1250	✓													
4	20	—	UBC	1000	✓													} Bottles for UBC
5	21	—	UBC	1000	✓													
6	22	1235	0.321	1000	✓													IN COMPUTER NAME 1238
7	23	1237	0.331	800	✓													
8	24	1238	0.528	600	✓													SO... 1238 CALLED 1235
9	25	1241	1.501	400	✓													BOTH SHOULD BE REVERSED
10	26	1243	2.096	300	✓													OR RENAMED 1238=1235
11	27	1244	1.983	250	✓													1235=1238
12	28	1247	2.281	200	✓													
13	29	1248	2.542	175	✓													
14	30	1249	2.662	150	✓													
15	31	1251	3.794	125	✓													
16	32	1254	4.945	100	✓							✓						
17	33	1256	6.591	75	✓							✓						
18	34	1258	6.662	50	✓							✓						
19	35	1260	6.701	25	✓							✓						
20	36	1261	6.719	10	✓							✓						
21	37	1264	6.675	0	✓			✓		✓		✓						
22																		
23																		
24																		

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

Bottom Depth: 1313

Cast # down: 7
Cast # up: 7

Time	LOC	UTC
Begin:		0205
Bottom:		0230
End:		0314

START POSITION (GPS)
LAT: 48° 32' 04"
LONG: 126° 39' 99"

BOTTOM POSITION (GPS)
LAT: 48° 38' 96"
LONG: 126° 40' 04"

END POSITION (GPS)
LAT: 48° 39' 03"
LONG: 126° 40' 01"

Comments:

ROSETTE LOG

MISSION ID: 2002-01 STATION: P12 CAST NUMBER: 17 UTC DATE (dd/mm/yyyy): 08/02/02

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	42	1228	2.629	Bot-20	✓ 3234	✓	✓	✓										
✓ 2	43	1231	2.292	3000	✓ 3000													
X 3	44	1233	2.061	2500	✓ 2500													
✓ 4	45	1235	1.538	2000	✓ 2000													
✓ 5	*46	1237	1.325	1500	✓ 1500							too high					* AIR BUBBLE	.243
✓ 6	47	1238	0.765	1500	✓ 1500													.143
X 7	48	1241	0.424	1250	✓ 1250													
X 8	*49	1243	0.685	1000	✓ 1000							too high					* AIR BUBBLE	
✓ 9	50	1244	0.321	800	✓ 800													
X 10	*51	1247	1.771	600	✓ 599							too high					* AIR BUBBLE	
✓ 11	52	1248	1.529	400	✓ 400												} No nuts samples AIR BUBBLE	
X 12	*53	1249	2.471	300	✓ 300													
✓ 13	54	1251	2.908	250	✓ 250													
✓ 14	55	1254	3.638	200	✓ 200													
✓ 15	56	1256	4.625	175	✓ 175													
✓ 16	57	1258	5.138	150	✓ 150													
X 17	58	1260	5.961	125	✓ 125													
X 18	*59	1261	7.886	100	✓ 100												AIR BUBBLE	
X 19	*60	1264	7.062	75	✓ 75												AIR BUBBLE	
X 20	*61	1267	6.873	50	✓ 49												AIR BUBBLE	1.260
X 21	*62	1268	8.6555	25	✓ 25	✓	✓	✓									AIR BUBBLE	1.560
X 22	63	1270	6.888	10	✓ 10	✓	✓	✓										1.182
X 23	64	1271	6.880	0	✓ 8	✓	✓	✓		✓		✓						1.139
24																		

Comments:

SHIP: JOHN P TULLY
ENTERED BY: MR 1ST
CHECKED BY:

Bottom Depth: 3236

Cast # down: 17
Cast # up: 17

Time	LOC	UTC
Begin:		0812
Bottom:		0856
End:		0959

START POSITION (GPS)
LAT: 48°58'31"
LONG: 130°40'12"

BOTTOM POSITION (GPS)
LAT: 48°58'28"
LONG: 130°40'10"

END POSITION (GPS)
LAT: 48°58'25"
LONG: 130°40'10"

ROSETTE LOG

MISSION ID: 2002-01 STATION: P26 CAST NUMBER: 33 UTC DATE (dd/mm/yyyy): 14/02/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
1	68	1228	4.558	4000	✓ D	✓	✓	✓		✓		✓						.773 ± .010
2	69	1278	3.165	3500	✓													
3	70	1233	2.612	3000	✓ D													
4	71	1235	1.958	2500	✓													
5	72	1237	1.265	2000	✓													
6	73	1238	1.268	2000	✓													
7	74	1241	0.636	1500	✓ D													
8	75	1243	0.467	1250	✓													
9	76	1244	0.457	1000	✓ D													
10	77	1247	0.515	800	✓													
11	78	1248	0.587	600	✓ D													
12	79	1249	0.894	400	✓													
13	80	1254	1.345	300	✓ D													
14	81	1256	1.680	250	✓													
15	82	1258	2.433	200	✓													
16	83	1260	2.949	175	✓													
17	84	1261	3.527	150	✓													
18	85	1264	5.164	125	✓													
19	86	1267	7.092	100	✓								✓					
20	87	1268	7.126	75	✓								✓					
21	88	1270	7.122	50	✓								✓					
22	89	1271	7.117	25	✓								✓					
23	90	1272	7.129	10									✓					
24	91	1273	7.174	0		✓	✓	✓		✓		✓	✓					

SHIP: JOHN P TULLY

ENTERED BY: MR

CHECKED BY: DA

Bottom Depth: 4283

Cast # down: 33

Cast # up: 33

Time LOC UTC

Begin: 0033

Bottom: 0119

End: 0245

START POSITION (GPS)

LAT: 49 59.97

LONG: 145 00.07

BOTTOM POSITION (GPS)

LAT: 49 59.96

LONG: 145 00.03

END POSITION (GPS)

LAT: 50 00.00

LONG: 145 00.02

Comments:

D = DOUBLE ACID BECAUSE OF CHUNKS - BAD MIXING TECHNIQUE

ROSETTE LOG

MISSION ID: 2002-01 STATION: Argo 1 CAST NUMBER: 36 UTC DATE (dd/mm/yyyy): 14/02/2002

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	92	1309	1.298	2000	✓	✓	✓	✓										
2	93	1310	0.666	1500	✓	✓	✓	✓										
3	94	1311	0.653	1500	✓	✓	✓	✓										
4	95	1313	0.458	1250	✓	✓	✓	✓										
5	96	1314	0.475	1000	✓	✓	✓	✓										
6	97	1315	0.437	800	✓	✓	✓	✓										
7	98	1316	0.515	600	✓	✓	✓	✓										
8	99	1317	0.644	400	✓	✓	✓	✓										
9	100	1318	0.705	300	✓	✓	✓	✓										
10	101	1319	0.919	250	✓	✓	✓	✓										
11	102	1320	1.501	200	✓	✓	✓	✓										
12	103	1321	2.195	175	✓	✓	✓	✓										
13	104	1322	3.874	150	✓	✓	✓	✓										
14	105	1323	7.090	125	✓	✓	✓	✓										
15	106	1324	7.178	100	✓	✓	✓	✓				✓						re-zeroed colorimeter
16	107	1325	7.165	75	✓	✓	✓	✓				✓						
17	108	1326	7.150	50	✓	✓	✓	✓				✓						
18	109	1327	7.143	25	✓	✓	✓	✓				✓						
19	110	1328	7.150	10	✓	✓	✓	✓				✓						
20	111	1329	7.145	0	✓	✓	✓	✓				✓						
21																		
22																		
23																		
24																		

Comments:

SHIP: John P Tully
ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 4492

Cast # down: 36
Cast # up: 36

Time	LOC	UTC
Begin:		1826
Bottom:		1847
End:		1929

START POSITION (GPS)
LAT: 50° 00. 07
LONG: 147° 59. 17

BOTTOM POSITION (GPS)
LAT: 50° 00. 28
LONG: 147° 59. 28

END POSITION (GPS)
LAT: 50° 00. 59
LONG: 147° 59. 55

ROSETTE LOG

MISSION ID: 2002-01 STATION: A260 2 CAST NUMBER: 39 UTC DATE (dd/mm/yyyy): 15/02/02

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	112	1309	1.406	2000	✓	✓	✓	✓										
2	113	1310	0.732	1500	✓													
3	114	1311	0.561	1250	✓													
4	115	1313	0.545	1000	✓													
5	116	1314	0.533	1000	✓													
6	117	1315	0.540	800	✓													
7	118	1316	0.591	600	✓													
8	119	1317	0.855	400	✓													
9	120	1318	1.019	300	✓													
10	121	1319	1.412	250	✓													
11	122	1320	1.944	200	✓													
12	123	1321	2.538	175	✓													
13	124	1322	4.131	150	✓													
14	125	1323	7.096	125	✓													
15	126	1324	7.172	100	✓							✓						
16	127	1325	7.159	75	✓							✓						
17	128	1326	7.156	50	✓							✓						
18	129	1327	7.172	25	✓							✓						
19	130	1328	7.150	10	✓							✓						
20	131	1329	7.175	0	✓	✓	✓	✓				✓						
21																		
22																		
23																		
24																		

SHIP: JOHN P TULLY
ENTERED BY: MR
CHECKED BY: H.M.

Bottom Depth: 4940

Cast # down: 39
Cast # up: 39

Time	LOC	UTC
Begin:		0905
Bottom:		0935
End:		1033

START POSITION (GPS)
LAT: 50 00 01
LONG: 150 59 99

BOTTOM POSITION (GPS)
LAT: 50 00 01
LONG: 150 59 95

END POSITION (GPS)
LAT: 50 00 02
LONG: 151 00 06

Comments:

ROSETTE LOG

MISSION ID: 2002-01 STATION: Argo 3 CAST NUMBER: 42 UTC DATE (dd/mm/yyyy): 16/10/2002

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	132	1309	1.292	2000	✓	✓	✓	✓										
2	133	1310	0.474	1500	✓													
3	134	1311	0.323	1250	✓													
4	135	1313	0.388	1000	✓													
5	136	1314	0.499	800	✓													
6	137	1315	0.859	600	✓													
7	138	1316	0.861	600	✓													
8	139	1317	1.756	400	✓													
9	140	1318	2.704	300	✓													
10	141	1319	3.870	250	✓													
11	142	1320	4.605	200	✓													
12	143	1321	5.438	175	✓													
13	144	1322	6.176	150	✓													
14	145	1323	6.626	125	✓													
15	146	1324	6.977	100	✓							✓						
16	147	1325	6.970	75	✓							✓						
17	148	1326	6.987	50	✓							✓						
18	149	1327	6.995	25	✓							✓						
19	150	1328	6.985	10	✓							✓						
20	151	1329	7.006	0		↓	↓	↓				✓						
21																		
22																		
23																		
24																		

ROSETTE LOG

MISSION ID: 2002-01 STATION: ARGO 4 CAST NUMBER: 45 UTC DATE (dd/mm/yyyy): 16/02/02

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
							OXY			ALK		CHL						
1	152	1309		1500	/	/				/								
2	153	1310		1500	/													
3	154	1311		1500	/													
4	155	1313		1500	/													
5	156	1314		1500	/													
6	157	1315		1500	/													
7	158	1316		1500	/													
8	159	1317		1500	/													
* 9	160	*1318	0.776	1500	-		/	/										FLASK 1318 IN FILE 1309
10	161	1319	0.540	1500	/													
11	162	1320	0.366	1250	/													
12	163	1321	0.376	1000	/													
13	164	1322	0.452	800	/													
14	165	1323	0.677	600	/													
15	166	1324	1.307	400	/													
16	167	1325	1.938	300	/													
17	168	1326	2.401	250	/													
18	169	1327	3.680	200	/													
19	170	1328	5.135	150	/													
20	171	1329	6.210	125	/													
21	172	1330	7.027	100	/													
22	173	1331	7.032	50	/													
23	174	1332	7.024	10	/													
24	175	1333	7.059	0														

SHIP: JOHN P TULLY

ENTERED BY: _____

CHECKED BY: _____

Bottom Depth: 465

Cast # down: 45

Cast # up: 45

Time	LOC	UTC
Begin:		<u>1446</u>
Bottom:		<u>1511</u>
End:		<u>1554</u>

START POSITION (GPS)

LAT: 46 59.99

LONG: 148 00.02

BOTTOM POSITION (GPS)

LAT: 46 59.95

LONG: 148 00.03

END POSITION (GPS)

LAT: 46 59.90

LONG: 147 59.95

Comments: _____

ROSETTE LOG

MISSION ID: 2002-01 STATION: Argo 5 CAST NUMBER: 48 UTC DATE (dd/mm/yyyy): 17/02/02

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	176 152	1309	1.352	2000	/	✓	✓	✓										
2	177 153	1310	0.552	1500	/													
3	178 154	1311	0.329	1250	✓													
4	179 155	1313	0.284	1000	/													
5	180 156	1314	0.284	1000	✓													
6	181 157	1315	0.403	800	✓													
7	182 158	1316	0.709	600	✓													
8	183 159	1317	1.505	400	✓													
9	184 160	1318	2.259	300	✓													
10	185 161	1319	2.801	250	✓													
11	186 162	1320	3.947	200	✓													
12	187 163	1321	4.700	175	✓													
13	188 164	1322	5.611	150	✓													
14	189 165	1323	6.557	125	✓													
15	190 166	1324	6.841	100	✓								✓					
16	191 167	1325	6.947	75	✓								✓					
17	192 168	1326	7.005	50	✓								✓					
18	193 169	1327	7.001	25	✓								✓					
19	194 170	1328	7.003	10	✓								✓					
20	195 171	1329	7.018	0	✓								✓					
21																		
22																		
23																		
24																		

Comments:

SHIP: JOHN P TULLY

ENTERED BY: DA

CHECKED BY: M L

Bottom Depth: 4704

Cast # down: 48

Cast # up: 48

Time	LOC	UTC
Begin:		0503
Bottom:		0527
End:		0602

START POSITION (GPS)

LAT: 47°00'01"

LONG: 144°59'98"

BOTTOM POSITION (GPS)

LAT: 47°00'00"

LONG: 145°00'01"

END POSITION (GPS)

LAT: 47°00'02"

LONG: 145°00'02"

ROSETTE LOG

MISSION ID: 2002-01 STATION: ALGO 6 CAST NUMBER: 52 UTC DATE (dd/mm/yyyy): 17/02/2002

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	196	1309	1.400	2000	✓	2000	/	/	/									
2	197	1310	0.528	1500	✓	1499	/	/	/									
3	198	1311	0.525	1500	✓	1499	/	/	/									
4	199	1313	0.527	1250	✓	1250												
5	200	1314	0.284	1000	✓	1000												
6	201	1315	0.415	800	✓	800												
7	202	1316	0.861	600	✓	600												
8	203	1317	1.756	400	✓	400												
9	204	1318	2.929	300	✓	300												
10	205	1319	3.775	250	✓	249												
11	206	1320	4.838	200	✓	200												
12	207	1321	5.275	175	✓	175												
13	208	1322	5.838	150	✓	150												
14	209	1323	6.476	125	✓	125												
15	210	1324	6.888	100	✓	100							/					
16	211	1325	6.858	75	✓	75							/					
17	212	1326	6.824	50	✓	49							/					
18	213	1327	6.824	25	✓	25							/					
19	214	1328	6.861	10	✓	10							/					
20	215	1329	6.867	0	✓	2.0	/	/	/				/					
21																		
22																		
23																		
24																		

SHIP: JOHN P TULLY
ENTERED BY: M.R. / S.T.
CHECKED BY:

Bottom Depth: 4454

Cast # down: 52
Cast # up: 52

Time	LOC	UTC
Begin:		2001
Bottom:		2024
End:		2105

START POSITION (GPS)
LAT: 46°45.03
LONG: 141°59.95

BOTTOM POSITION (GPS)
LAT: 46°45.00
LONG: 142°00.00

END POSITION (GPS)
LAT: 46°44.98
LONG: 141°59.99

ROSETTE LOG

MISSION ID: 2002 -01 STATION: ARGO 7 CAST NUMBER: 55 UTC DATE (dd/mm/yyyy): 18 /02/02

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	216	1309	1.454	2000	✓	✓		✓										
2	217	1310	0.564	1500	✓													
3	218	1311	0.299	1250	✓													
4	219	1313	0.284	1000	✓													
5	220	1314	0.411	800	✓													
6	221	1315	0.403	800	✓													
7	222	1316	0.832	600	✓													
8	223	1317	1.893	400	✓													
9	224	1318	2.793	300	✓													
10	225	1319	3.567	250	✓													
11	226	1320	4.553	200	✓													
12	227	1321	5.199	175	✓													
13	228	1322	5.855	150	✓													
14	229	1323	6.429	125	✓													
15	230	1324	6.859	100	✓								✓					
16	231	1325	6.823	75	✓								✓					
17	232	1326	6.947	50	✓								✓					
18	233	1327	6.836	25	✓								✓					
19	234	1328	6.849	10	✓								✓					
20	235	1329	6.867	0									✓					Bottle hung-up on sea cable partially closed.
21																		
22																		
23																		
24																		

SHIP: J.P. TULLY
ENTERED BY: H.M.
CHECKED BY:

Bottom Depth: 4235

Cast # down: 53 55
Cast # up: 53 55

Time	LOC	UTC
Begin:		1326
Bottom:		1345
End:		1423

START POSITION (GPS)
LAT: 46 33.95
LONG: 138 59.92

BOTTOM POSITION (GPS)
LAT: 46 33.98
LONG: 138 59.98

END POSITION (GPS)
LAT: 46 34.01
LONG: 138 59.94

Comments:

ROSETTE LOG

MISSION ID: 2002-01 STATION: ARGO 9 CAST NUMBER: 58 UTC DATE (dd/mm/yyyy): 19/02/2002

[illegible]

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

Bottom Depth: 3773

Cast # down: 58

Cast # up: 58

Time	LOC	UTC
Begin:		1715
Bottom:		1735
End:		1822

START POSITION (GPS)	
LAT:	46°07.04
LONG:	133°00.00

BOTTOM POSITION (GPS)	
LAT:	46° 07.02 "
LONG:	132° 60.00 "

END POSITION (GPS)	
LAT:	46° 07' 04"
LONG:	132° 59' 29"

Comments:

ROSETTE LOG

MISSION ID: 2002-01 STATION: ARGO 10 CAST NUMBER: 62 UTC DATE (dd/mm/yyyy): 02/02/20

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	256	1309	0.955	1500	✓ 1500	✓		✓										
2	257	1310	0.528	1250	✓ 1250													
3	258	1311	0.256	1000	✓													
4	259	1313	0.272	1000	✓													
5	260	1314	0.231	800	✓													
6	261	1315	0.392	600	✓													
7	262	1316	1.723	400	✓													
8	263	1317	2.725	300	✓													
9	264	1318	2.994	250	✓													
10	265	1319	2.588	200	✓													
11	266	1320	2.392	175	✓													
12	267	1321	2.776	150	✓													
13	268	1322	3.927	125	✓													
14	269	1323	5.688	100	✓								✓					
15	270	1324	6.634	75	✓								✓					
16	271	1325	6.699	50	✓								✓					
17	272	1326	6.708	25	✓								✓					
18	273	1327	6.712	10									✓					
19	274	1328	6.737	0				✓					✓					
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: JOHN P TULLY
ENTERED BY: MR
CHECKED BY: H.M.

Bottom Depth: 1531

Cast # down: 62
Cast # up: 62

Time	LOC	UTC
Begin:		11 13
Bottom:		11 37
End:		12 14

START POSITION (GPS)
LAT: 45 56 05
LONG: 129 59 95

BOTTOM POSITION (GPS)
LAT: 45 55 99
LONG: 129 59 86

END POSITION (GPS)
LAT: 45 56 03
LONG: 129 59 75

ROSETTE LOG

MISSION ID: 2002-01 STATION: ARGO 11 CAST NUMBER: 64 UTC DATE (dd/mm/yyyy): 21/02/2002

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	275	1309	0.907	1500	✓	✓		✓										
2	276	1310	0.474	1250	✓													
3	277	1311	0.457	1250	✓													
4	278	1313	0.272	1000	✓													
5	279	1314	0.231	800	✓													
6	280	1315	0.363	600	✓													
7	281	1316	0.920	400	✓													
8	282	1317	1.505	300	✓													
9	283	1318	1.873	250	✓													
10	284	1319	2.309	200	✓													
11	285	1320	2.521	175	✓													
12	286	1321	2.689	150	✓													
13	287	1322	3.297	125	✓													
14	288	1323	4.089	100	✓								✓					
15	289	1324	6.575	75	✓								✓					
16	290	1325	6.599	50	✓								✓					
17	291	1326	6.620	25	✓								✓					
18	292	1327	6.635	10	✓								✓					
19	293	1328	6.631	0		✓		✓					✓					
20																		
21																		
22																		
23																		
24																		

SHIP: J. P. TULLY

ENTERED BY: H. M.

CHECKED BY: DA / MR

Bottom Depth: 2906

Cast # down: 64

Cast # up: 64

Time	LOC	UTC
Begin:		0324
Bottom:		0339
End:		0412

START POSITION (GPS)

LAT: 45 42 00

LONG: 126 59.99

BOTTOM POSITION (GPS)

LAT: 45 42.00

LONG: 127 00.00

END POSITION (GPS)

LAT: 45 41.99

LONG: 127 00.02

Comments:

ROSETTE LOG

MISSION ID: 2002-01 STATION: T-3T CAST NUMBER: 65 UTC DATE (dd/mm/yyyy): 21/02/2002

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	294	1228	6.654	50	✓	✓												0
2	295	1233	4.134	100	✓													0
3	296	1238	5.341	200	✓													0
4	297	1237	1.519	300	✓													0
5	298	1238	1.192	350	✓													0
6	299	1241	0.951	400	✓													0
7	300	1243	0.914	400	✓													10
8	301	1244	0.915	400	✓													30
9	302	1247	0.910	400	✓													60
10	303	1248	1.448	300	✓													0
11	304	1249	1.467	300	✓													10
12	305	1254	1.461	300	✓													30
13	306	1256	1.551	300	✓													60
14	307	1258	2.229	200	✓													0
15	308	1260	2.237	200	✓													10
16	309	1261	2.272	200	✓													30
17	310	1264	2.246	200	✓													60
18	311	1267	4.013	100	✓													0
19																		
20																		
21																		
22																		
23																		
24																		

waiting for (sec)

SHIP: JOHN P TULLY

ENTERED BY: MR

CHECKED BY: MR

Bottom Depth: 2806

Cast # down: 65

Cast # up: 65

Time	LOC	UTC
Begin:		0507
Bottom:		0511
End:		0519

START POSITION (GPS)

LAT: 45 42 01

LONG: 127 00 03

BOTTOM POSITION (GPS)

LAT: 45 41 99

LONG: 127 00 00

END POSITION (GPS)

LAT: 45 41 99

LONG: 127 00 02

Comments: