

ROSETTE LOG

MISSION ID: 2000-10
STATION NAME: SIO3UTC DATE y/m/d: 00/05/30
CAST NUMBER: 1SHIP: JP TULLY

Niskin No.	Sample No.	OXY. Flask	m/s OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO						
								OXY		CHL		C13		NH4					
1	1	1291	0.000	Bot-10				✓	/	✓									
2				Bot-10															
3	2	1292	0.027	200				✓	/	/									
4				200															
5	3	1293	0.038	180				✓	/	✓									
6				180															
7	4	1294	0.076	160				/	✓	/									
8				160															
9	5	1295	0.037	140				/	/	/									
10	6	1297	0.235	120				✓	✓	/									
11				120															
12	7	1298	1.202	100				✓	✓	/	✓				✓				
13	8	1299	3.175	80				✓	✓	✓	✓				✓				
14				80															
15	9	1300	4.273	60				✓	✓	✓	/				//				
16	10	1301	4.471	50				✓	✓	✓	✓				✓				
17	11	1302	4.972	40				✓	✓	✓	✓				✓				
18				40															
19	12	1303	5.337	30				✓	✓	✓	✓				✓				
20	13	1304	6.636	20				✓	✓	✓	✓				✓				
21	14	1305	8.434	10				/	✓	/	✓				//				
22				10															
23	15	1306	9.149	0				✓	/	/	✓				//				
24				0															

Comments:

#2 BUBBLE (BIG), #4, #6, #7, #9, #10, #11, #12, #13, #14, #15

ENTERED BY:

CHECKED BY:

Bottom Depth: 127Cast # down: 01Cast # up: 01

Time LOC UTC

Begin: 21:10

Bottom:

End:

START POSITION (GPS)

LAT: 48 35.625LONG: 123 29.965

BOTTOM POSITION (GPS)

LAT: 48 35.613LONG: 123 29.943

END POSITION (GPS)

LAT: 48 35.574LONG: 123 29.981

ROSETTE LOG

MISSION ID: 2000-10
STATION NAME: P4UTC DATE y/m/d: 2000/06/01
CAST NUMBER: 5SHIP: 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		TA				
1	16	1322	0.520	BOT - 10	1332	/												
2	17	1323	0.446	1250		/												
3	18	1324	0.260	1000		/												
4	19	1325	0.254	800		/												
5	20	1326	0.317	600		/												
6	21	1327	0.466	400		/												
7	22	1328	0.436	300		/												
8	23	1329	2.001	250		/												
9	24	1330	2.521	200		/												
10	25	1331	2.763	150		/												
11	26	1332	4.311	100		/												
12	27	1333	5.804	75		/												
13	28	1334	6.736	50		/												
14	29	1335	6.703	25		/												
15	30	1336	6.684	10		/												
16	31	1337	6.671	0														
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: MA
CHECKED BY: DABottom Depth: 1330Cast # down: 5Cast # up: 5

Time	LOC	UTC
Begin:		0903
Bottom:		0927
End:		

START POSITION (GPS)		
LAT:	48	38.94
LONG:	126	40.12

BOTTOM POSITION (GPS)		
LAT:	48	39.00
LONG:	126	39.99

END POSITION (GPS)		
LAT:	48	39.00
LONG:	126	39.99

ROSETTE LOG

MISSION ID: 2000-10
STATION NAME: P4UTC DATE y/m/d: 00/06/01
CAST NUMBER: 7SHIP: 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		W4			
1	32	1291	1.289	400		✓			/	/					/			
2	33	1292	1.907	300		✓												
3	34	1293	2.253	250		✓												
4	35	1294	2.497	200		✓												
5	36	1295	2.828	150		✓												
6	37	1297	3.234	125		✓												
7	38	1298	4.472	100		✓				✓					/	/		
8	39	1299	5.696	80		✓												
9	40	1300	6.609	60		✓												
10	41	1301	6.697	50		✓												
11	42	1302	6.780	40		✓												
12	43	1303	6.792	30		✓												
13	44	1304	6.757	20		✓												
14	45	1305	6.781	15		✓												
15	46	1306	6.772	10		✓												
16	47	1307	6.765	5														
17	48	1308	6.743	0					✓	✓	✓				✓	✓		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: MR
CHECKED BY:Bottom Depth: 1325Cast # down: 7Cast # up: 7

Time	LOC	UTC
Begin:		1833
Bottom:		1843
End:		1912

START POSITION (GPS)	
LAT:	48 38 982
LONG:	126 39 928

BOTTOM POSITION (GPS)	
LAT:	48 38 913
LONG:	126 39 722

END POSITION (GPS)	
LAT:	48 38 846
LONG:	126 39 064

ROSETTE LOG

MISSION ID: 2000-10
STATION NAME: P-12UTC DATE y/m/d: 2000/01/02
CAST NUMBER: 15SHIP: 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		DMS			
								OXY		CHL		C13		NH4				
1	49	1322	1.670	400	/			✓	✓						✓			
2	50	1323	2.203	300	/				✓									
3	51	1324	2.780	250	/													
4	52	1325	3.296	200	/													
5	53	1326	3.993	150	/													
6	54	1327	4.500	125	/													
7	55	1328	NO SAMPLE	100	✱	/				✓				✓✓				
8	56	1329	6.994	80	/									✓✓				
9	57	1330	7.073	60	/									✓✓				
10	58	1331	7.093	50	✓									✓✓				
11	59	1332	7.070	40	/									✓✓				
12	60	1333	6.921	30	/									✓✓				
13	61	1334	6.926	20	/									✓✓				
14	62	1335	6.932	15	/				✓					✓✓				
15	63	1336	6.910	10										✓✓				
16	64	1337	8.290	5										✓✓				
17	65	1338	6.994	0				✓	✓	✓				✓✓	✓			
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

✱ MIS TITRATED - BAD NUMBERS
NO STIR BARENTERED BY: MR
CHECKED BY: DABottom Depth: 1952Cast # down: 15Cast # up: 15

Time	LOC	UTC
Begin:		2146
Bottom:		2157
End:		2221

START POSITION (GPS)		
LAT:	48 58	143
LONG:	130 39	778

BOTTOM POSITION (GPS)		
LAT:	48 58	118
LONG:	130 39	852

END POSITION (GPS)		
LAT:	48 58	195
LONG:	130 40	041

ROSETTE LOG

MISSION ID: 2000-10UTC DATE y/m/d: 00/06/03SHIP: JOHN P TULLYSTATION NAME: P12CAST NUMBER: 16

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		VIEW				
1	66	1291	2.567	Bot	3273	✓	/	/	✓					✓				
2	67	1292	2.367	3000		✓	/	/	✓									
3	68	1293	1.958	2500		✓	/	/	✓									
4	69	1294	1.740	2250		✓	/	/	✓									
5	70	1295	1.414	2000		✓	/	/	✓									
6	71	1297	1.081	1750		✓	/	/	✓									
7	72	1298	0.746	1500		✓	/	/	✓									
8	73	1299	0.386	1250		✓	/	/	✓				✓					
9	74	1300	0.314	1000		✓	/	/	✓									
10	75	1301	0.311	800		✓	/	/	✓									
11	76	1302	0.576	600		✓	/	/	✓									
12	77	1303	1.675	400		✓	/	/	✓									
13	78	1304	2.390	300		✓	/	/	✓									
14	79	1305	2.916	250		✓	/	/	✓									
15	80	1306	3.191	200		✓	/	/	✓									
16	81	1307	3.770	150		✓	/	/	✓									
17	82	1308	5.340	100		✓	/	/	✓									
18	83	1309	6.884	75		✓	/	/	✓									
19	84	1310	7.190	50		✓	/	/	✓									
20	85	1311	7.029	25		✓	/	/	✓									
21	86	1312	6.946	10		✓	/	/	✓				✓					
22	87	1313	6.874	0			/	/	✓									
23																		
24																		

ENTERED BY: H.MCHECKED BY: MRBottom Depth: 3285Cast # down: 16Cast # up: 16

Time LOC UTC

Begin: 0056Bottom: 0153End: 0318

START POSITION (GPS)

LAT: 48 58.194LONG: 130 39.822

BOTTOM POSITION (GPS)

LAT: 48 58.180LONG: 130 39.927

END POSITION (GPS)

LAT: 48 58.201LONG: 130 40.054

Comments:

ROSETTE LOG

MISSION ID: 2000-10
STATION NAME: P16

UTC DATE y/m/d: 00/06/04
CAST NUMBER: 25

SHIP: 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		DPH			
								OXY		CHL		C13			1144			
1	88	1322	1.293	400		✓			✓	✓								
2	89	1323	1.792	300		✓												
3	90	1324	2.155	250		✓				✓								
4	91	1325	2.584	200		✓												
5	92	1326	3.269	150		✓												
6	93	1327	3.712	125		✓												
7	94	1328	4.917	100		✓				✓				✓				
8	95	1329	6.714	80		✓												
9	96	1330	7.073	60		✓												
10	97	1331	7.095	50		✓												
11	98	1332	7.171	40		✓												
12	99	1333	7.007	30		✓												
13	100	1334	6.963	20		✓												
14	101	1335	6.968	15		✓				✓								
15	102	1336	7.008	10		✓												
16	103	1337	6.958	5		✓												
17	104	1338	7.014	0					✓	✓	✓			✓	✓			
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MK
CHECKED BY:

Bottom Depth:

Cast # down: 25
Cast # up:

Time	LOC	UTC
Begin:		1854
Bottom:		1903
End:		1930

START POSITION (GPS)
LAT: 49 17 073
LONG: 134 40 174

BOTTOM POSITION (GPS)
LAT: 49 17 053
LONG: 134 40 315

END POSITION (GPS)
LAT: 49 16 997
LONG: 134 40 192

Comments:

ROSETTE LOG

MISSION ID: 2000-10
STATION NAME: P16UTC DATE y/m/d: 2000/06/04
CAST NUMBER: 26SHIP: 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		C13		N18						
B-20	3682	✓	✓	✓	✓										
3000		✓	✓	✓	✓										
2500		✓	✓	✓	✓			✓							
2250		✓	✓	✓	✓										
2000		✓	✓	✓	✓										
1750		✓	✓	✓	✓										
1500		✓	✓	✓	✓										
1250		✓	✓	✓	✓										
1000		✓	✓	✓	✓										
800		✓	✓	✓	✓										
600		✓	✓	✓	✓										
*400	*	✓	✓	✓	✓										
300		✓	✓	✓	✓										
250		✓	✓	✓	✓										
200		✓	✓	✓	✓										
150		✓	✓	✓	✓										
100		✓	✓	✓	✓										
75		✓	✓	✓	✓										
50		✓	✓	✓	✓										
25		✓	✓	✓	✓										
10		✓	✓	✓	✓				✓						
0			✓	✓	✓										

ENTERED BY: H M

CHECKED BY:

Bottom Depth: 3616 / 3605 +Cast # down: 26Cast # up: 26

Time LOC UTC

Begin: 2104Bottom: 06/04 2219End: 06/05 0000

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 16 980LONG: 134 39 992

END POSITION (GPS)

LAT: 49 16 874LONG: 134 39 893

Comments:

AIR BUBBLE - AFTER PRECIPITATE SETTLED - LID LIFTED - I SUSPECT SOME SPILLAGE & VOLUME CHANGE

ROSETTE LOG

MISSION ID: 2000-10

UTC DATE y/m/d: 2000/6/06

SHIP: JOHN P TULLY

STATION NAME: P20

CAST NUMBER: 33

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	127	1322	3.024	Bot	4020	✓	✓	✓	✓									
2	128	1323	2.982	3500		✓			✓									
3	129	1324	2.543	3000		✓												
4	130	1325	1.948	2500		✓							✓					
5	131	1326	1.628	2250		✓												
6	132	1327	1.322	2000		✓												
7	133	1328	0.939	1750		✓												
8	134	1329	0.534	1500		✓												
9	135	1330	0.324	1250		✓												
10	136	1331	0.329	1000		✓												
11	137	1332	0.368	800		✓												
12	138	1333	0.646	600		✓												
13	139	1334	1.439	400		✓												
14	140	1335	2.039	300		✓												
15	141	1336	2.423	250		✓												
16	142	1337	3.024	200		✓												
17	143	1338	3.597	150		✓												
18	144	1339	7.084	100		✓												
19	145	1340	7.254	75		✓												
20	146	1341	7.201	50					✓									
21	147	1342	7.053	25														
22	148	1343	7.012	10									✓					
23	149	1344	6.979	0			✓	✓	✓									
24																		

ENTERED BY: MR
CHECKED BY:

Bottom Depth: 3941

Cast # down: 33

Cast # up: 33

Time	LOC	UTC
Begin:		1936
Bottom:		2104
End:		2237

0736
0904
1037START POSITION (GPS)
LAT: 49 34.058
LONG: 138 39.915BOTTOM POSITION (GPS)
LAT: 49 34.176
LONG: 138 39.296END POSITION (GPS)
LAT: 49 33.803
LONG: 138 39.118

Comments:

ROSETTE LOG

MISSION ID: 2000-10
STATION NAME: P20UTC DATE y/m/d: 00/06/06
CAST NUMBER: 35SHIP: 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		DP3			
1	150	1291	1.608	400		✓		✓	✓						✓			
2	151	1292	1.936	300		✓												
3	152	1293	2.329	250		✓												
4	153	1294	2.989	200		✓	✓											
5	154	1295	3.859	150		✓	✓											
6	155	1297	5.672	125		✓	✓											
7	156	1298	7.039	100		✓	✓		✓				✓	✓				
8	157	1299	7.209	80		✓	✓											
9	158	1300	7.433	60		✓	✓											
10	159	1301	7.186	50		✓	✓											
11	160	1302	7.198	40		✓	✓											
12	161	1303	7.095	30		✓	✓											
13	162	1304	7.042	20		✓	✓											
14	163	1305	7.056	15		✓			✓									
15	164	1306	6.985	10		✓												
16	165	1307	6.990	5		✓												
17	166	1308	6.992	0				✓	✓	✓			✓	✓	✓			
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY:Bottom Depth: 3941Cast # down: 35Cast # up: 35

Time	LOC	UTC
Begin:		1844
Bottom:		1900
End:		1930

START POSITION (GPS)		
LAT:	49	34.024
LONG:	138	39.942

BOTTOM POSITION (GPS)		
LAT:	49	34.026
LONG:	138	39.996

END POSITION (GPS)		
LAT:	49	33.850
LONG:	138	39.403

Comments:

ROSETTE LOG

MISSION ID: 2000-10
STATION NAME: P26

UTC DATE y/m/d: 00/06/09
CAST NUMBER: 47

SHIP: 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					
1	167			1500		✓												
2	168			1200		✓												
3	169			1000		✓												
4	170			800		✓												
5	171			600		✓												
6	172			400		✓												
7	173			300		✓												
8	174			200		✓												
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 4220

Cast # down: 47
Cast # up: 47

Time	LOC	UTC
Begin:		0239
Bottom:		0305
End:		0339

START POSITION (GPS)
LAT: 50° 00. 052
LONG: 144° 59. 872

BOTTOM POSITION (GPS)
LAT: 50° 00. 033
LONG: 145° 00. 008

END POSITION (GPS)
LAT: 50° 00. 019
LONG: 145° 00. 032

Comments: POC Deep Cast

ROSETTE LOG

MISSION ID: 2000-10
STATION NAME: P26

UTC DATE y/m/d: 2000/06/09
CAST NUMBER: 48

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					
								OXY		CHL		Cl3						
1	175	1322	1.335	400		✓			✓					✓				
2	176	1323	1.197	300		✓												
3	177	1324	1.869	250		✓												
4	178	1325	2.511	200		✓												
5	179	1326	3.239	150		✓												
6	180	1327	5.265	125		✓												
7	181	1328	7.154	100		✓												
8	182	1329	7.348	80		✓												
9	183	1330	7.417	60		✓												
10	184	1331	7.400	50		✓												
11	185	1332	7.302	40		✓												
12	186	1333	7.245	30		✓												
13	187	1334	7.214	20		✓												
14	188	1335	7.191	15		✓												
15	189	1336	7.149	10		✓												
16	190	1337	7.221	5		✓												
17	191	1338	7.199	0														
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: DA
CHECKED BY:

Bottom Depth: 4219

Cast # down: 48

Cast # up: 48

Time	LOC	UTC
Begin:		0708
Bottom:		0719
End:		0739

START POSITION (GPS)
LAT: 50 00 023
LONG: 144 59.905

BOTTOM POSITION (GPS)
LAT: 49 59 993
LONG: 145 00 021

END POSITION (GPS)
LAT: 49 59 912
LONG: 145 00.072

Comments: NIGHT DMS CAST

ROSETTE LOG

→ GO-FLOS

MISSION ID: 2000-10
STATION NAME: P26

UTC DATE y/m/d: 00/06/10
CAST NUMBER: 52

SHIP: 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		POC			
1	192			100					✓	✓					✓	✓		
2	193			70					↓	↓					↓	↓		
3	194			50					↓	↓					↓	↓		
4	195			30					↓	↓					↓	↓		
5	196			20					↓	↓					↓	↓		
6	197			10					↓	↓					↓	↓		
7	198			5					↓	↓					↓	↓		
8	199			2					↓	↓					↓	↓		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 52
Cast # up: 52

Time LOC UTC
Begin: 1015
Bottom:
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-10
STATION NAME: P26

UTC DATE y/m/d: 00/06/10
CAST NUMBER: 53

SHIP: 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		PH			
1	200	1322	3.455	4000	✓		✓	✓	✓		✓	✓			✓			
2	201	1323	2.989	3500	✓		✓	✓	✓		✓	✓			✓			
3	202	1324	2.580	3000	✓		✓	✓	✓		✓	✓			✓			
4	203	1325	1.997	2500	✓		✓	✓	✓		✓	✓			✓			
5	204	1326	1.664	2250	✓		✓	✓	✓		✓	✓			✓			
6	205	1327	1.302	2000	✓		✓	✓	✓		✓	✓			✓			
7	206	1328	1.030	1750	✓		✓	✓	✓		✓	✓			✓			
8	207	1329	0.671	1500	✓		✓	✓	✓		✓	✓			✓			
9	208	1330	0.459	1250	✓		✓	✓	✓		✓	✓			✓			
10	209	1331	0.390	1000	✓		✓	✓	✓		✓	✓			✓			
11	210	1332	0.457	800	✓		✓	✓	✓		✓	✓			✓			
12	211	1333	0.671	600	✓		✓	✓	✓		✓	✓			✓			
13	212	1334	1.102	400	✓		✓	✓	✓		✓	✓			✓			
14	213	1335	1.659	300	✓		✓	✓	✓		✓	✓			✓			
15	214	1336	1.940	250	✓		✓	✓	✓		✓	✓			✓			
16	215	1337	2.492	200	✓		✓	✓	✓		✓	✓			✓			
17	216	1338	3.139	150	✓		✓	✓	✓		✓	✓			✓			
18	217	1339	6.765	100	✓		✓	✓	✓		✓	✓			✓			
19	218	1340	7.317	75	✓		✓	✓	✓		✓	✓			✓			
20	219	1341	7.441	50	✓		✓	✓	✓		✓	✓			✓			
21	220	1342	7.195	25	✓		✓	✓	✓		✓	✓			✓			
22	221	1343	7.156	10	✓		✓	✓	✓		✓	✓			✓			
23	222	1344	7.125	0			✓	✓	✓		✓	✓			✓			
24																		

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 4219

Cast # down: 53
Cast # up: 53

Time	LOC	UTC
Begin:		1546
Bottom:		1701
End:		1844

START POSITION (GPS)
LAT: 50 00.064
LONG: 144 59.496

BOTTOM POSITION (GPS)
LAT: 50 00.053
LONG: 144 58.142

END POSITION (GPS)
LAT: 49 59.175
LONG: 144 57.873

Comments:

ROSETTE LOG

MISSION ID: 2000-10
STATION NAME: P26

UTC DATE y/m/d: 00/06/11
CAST NUMBER: 56

SHIP: JOHN P TULLY

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

ROSETTE OPERATION		Samples taken													
Trip	Confirmed	SAL		NUT		ALK		TCO							
pressure	Salinity	OXY		CHL		C13									
1	223	1322	1.251	400	✓			✓							
2	224	1323	1.417	300	✓										
3	225	1324	3.193	250	✓										
4	226	1325	2.354	200	✓										
5	227	1326	3.352	150	✓										
6	228	1327	5.168	125	✓										
7	229	1328	6.898	100	✓										
8	230	1329	7.248	80	*	✓									
9	231	1330	7.393	60	✓										
10	232	1331	7.351	50	✓										
11	233	1332	7.337	40	✓										
12	234	1333	7.190	30	✓										
13	235	1334	7.128	20	✓										
14	236	1335	7.113	15	✓										
15	237	1336	7.112	10	✓										
16	238	1337	7.117	5	✓										
17	239	1338	7.098	0											
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 4221

Cast # down: 56

Cast # up: 56

Time	LOC	UTC
Begin:		1743
Bottom:		1751
End:		1813

START POSITION (GPS)
LAT: 49° 59' 938
LONG: 144° 59' 926

BOTTOM POSITION (GPS)
LAT: 49° 59' 969
LONG: 144° 59' 909

END POSITION (GPS)
LAT: 49° 59' 944
LONG: 145° 00' 100

Comments:

DAY DMS CAST

* CALLED IT FLASK # 1230 IN PROGRAM

ROSETTE LOG

MISSION ID: 2000-10
STATION NAME: SHELF STATION

UTC DATE y/m/d: 00/06/14
CAST NUMBER: 57

SHIP: 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						
1	240	1322	0.401	1000		✓	✓	✓	✓									
2	241	1323	0.345	800		✓	✓	✓	✓									
3	242	1324	0.546	600		✓	✓	✓	✓									
4	243	1325	1.149	400	*	✓	✓	✓	✓								.197	
5	244	1326	1.688	300		✓	✓	✓	✓									
6	245	1327	1.983	250		✓	✓	✓	✓									
7	246	1328	2.504	200		✓	✓	✓	✓									
8	247	1329	3.176	150		✓	✓	✓	✓									
9	248	1330	4.994	100		✓	✓	✓	✓									
10	249	1330	5.923	75		✓	✓	✓	✓									
11	250	1331	5.512	50		✓	✓	✓	✓									
12	251	1332	6.671	25		✓	✓	✓	✓									
13	252	1333	6.663	10		✓	✓	✓	✓									
14	253	1334	6.618	0			✓	✓	✓	✓								
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 1457

Cast # down: 57
Cast # up: 57

Time	LOC	UTC
Begin:		1712
Bottom:		1730
End:		1801

START POSITION (GPS)
LAT: 51°00.097
LONG: 129°55.016

BOTTOM POSITION (GPS)
LAT: 51°00.373
LONG: 129°54.958

END POSITION (GPS)
LAT: 51°00.452
LONG: 129°54.540

Comments:

* Plot:

ROSETTE LOG

MISSION ID: 2000-10
STATION NAME: SP5

UTC DATE y/m/d: 00/06/15
CAST NUMBER: 58

SHIP: 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					
1	254	1336	2.087	BDT-5	216	✓												
2	255	1337	2.083	200		✓												
3	256	1338	2.942	150		✓												
4	257	1339	5.530	100		✓				X								
5	258	1340	5.967	75		✓												
6	259	1341	6.106	50		✓												
7	260	1342	6.922	25		✓												
8	261	1343	7.018	10		✓												
9	262	1344	6.925	0		✓												
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: H.M
CHECKED BY:

Bottom Depth: 223

Cast # down: 58
Cast # up: 58

Time	LOC	UTC
Begin:		0002
Bottom:		0006
End:		0022

START POSITION (GPS)
LAT: 51 21 002
LONG: 129 46 651

BOTTOM POSITION (GPS)
LAT: 51 21 008
LONG: 129 46 690

END POSITION (GPS)
LAT: 51 21 050
LONG: 129 46 778

Comments:

ROSETTE LOG

MISSION ID: 2000 - 10
STATION NAME: Ri 1

UTC DATE y/m/d: 2000/06/15
CAST NUMBER: 62

SHIP: Tully

[illegible]

ENTERED BY: H.M.
CHECKED BY:

Bottom Depth: 330

Cast # down: 62

Cast # up: 62

Time	LOC	UTC
Begin:		1408
Bottom:		14 14
End:		14 37

START POSITION (GPS)		
LAT:	51 26	352
LONG:	127 38	221

BOTTOM POSITION (GPS)			
LAT:	51	26	351
LONG:	127	38	344

END POSITION (GPS)		
LAT:	51	26 219
LONG:	127	38 606

Comments:

* FORGOT TO TRIGGER SURFACE BOTTLE (214) TOOK SAMPLES FROM LOOP

ROSETTE LOG

MISSION ID: 2000-10
STATION NAME: E001

UTC DATE y/m/d: June 18, 2000
CAST NUMBER: 69

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT	NH ₄	ALK	pH	TCO					
								OXY		CHL		EB						
1	290	1322	0.323	1000	✓		✓	✓	✓	2 glass tubes etc.		✓	✓					
2	291	1323	0.398	800	✓													
3	292	1324	0.540	600	✓													
4	293	1325	0.774	500	✓													
5	294	1326	1.179	400	✓													
6	295	1327	1.728	300	✓													
7	296	1328	2.091	250	✓													
8	297	1329	2.380	200	✓													
9	298	1330	2.693	150	✓						✓							
10	299	1331	3.306	125	✓													
11	300	1332	4.453	100	✓													
12	301	1333	5.115	75	✓													
13	302	1334	6.357	50	✓													
14	303	1335	6.878	25	✓													
15	304	1336	6.782	10	✓													
16	305	1337	6.751	0	✓													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: J.W.
CHECKED BY: P.M.

Bottom Depth: 3580

Cast # down: 69
Cast # up: 69

Time	LOC	UTC
Begin:	10 32	17 32
Bottom:		17 58
End:		18 27

START POSITION (GPS)
LAT: 51° 44' 7.50
LONG: 135° 50' 22.0

BOTTOM POSITION (GPS)
LAT: 51° 44' 48.3
LONG: 135° 50' 53.5

END POSITION (GPS)
LAT: 51° 44' 38.2
LONG: 135° 50' 88.6

Comments:

ROSETTE LOG

MISSION ID: 2000-10
STATION NAME: ED 03UTC DATE y/m/d: 2000/06/19
CAST NUMBER: 76

SHIP: Tully

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

ROSETTE OPERATION		Samples taken											
Trip	Confirmed	SAL		NUT		ALK		TCO					
pressure	Salinity		OXY		CHL		C13						

1	306	1291*	-4.299	*1000	??	✓	.062	X	✓	✓									
2	307	1292	0.377	800		✓			✓	✓	1 pl. tube								
3	308	1293	0.625	600		✓													
4	309	1294	0.965	500		✓													
5	310	1295	1.454	400		✓													
6	311	1297	2.090	300		✓													
7	312	1298	2.418	250		✓													
2.727	8	313	1299	4.000	**200	???	✓	.494											
	9	314	1300	3.262	150	✓													
	10	315	1301	4.890	125	✓													
	11	316	1302	6.409	100	✓													
	12	317	1303	6.798	75	✓													
6.931	13	318	1304	?	50	***	✓												
	14	319	1305	6.844	25	✓													
	15	320	1306	6.772	10	✓													
	16	321	1307	6.802	0														
	17																		
	18																		
	19																		
	20																		
	21																		
	22																		
	23																		
	24																		

Comments: Lots of rust coming off cable at sea surface

* DON'T KNOW WHAT HAPPENED

** TRACE LOOKED GOOD?

*** - DIVISION OF ZERO IN LINE OF AUTOXY AT ADDRESS 0725: 5D1E

ENTERED BY: FW

CHECKED BY: MR

Bottom Depth: 3508

Cast # down: 76

Cast # up: 76

Time	LOC	UTC
Begin:		0824
Bottom:		0842
End:		0912

START POSITION (GPS)	
LAT:	52 15.144
LONG:	135 49.901

BOTTOM POSITION (GPS)	
LAT:	52 15.090
LONG:	135 50.029

END POSITION (GPS)	
LAT:	52 15.072
LONG:	135 50.390

ROSETTE LOG

MISSION ID:**STATION NAME:**

UTC DATE y/m/d:

CAST NUMBER:

SHIP: JOHN P TULLY

ENTERED BY: *Fw*

CHECKED BY: 4.7

Bottom Depth: 3465

Cast # down: 81

Cast # up: 81

Time	LOC	UTC
------	-----	-----

Begin: 1434

Bottom: 1450

End: 15 20

START POSITION (GPS)

LAT: 52 45 093

LONG: 135 49 862

BOTTOM POSITION (GPS)

LAT: 52 45 05.3

LONG: 135 49 905

END POSITION (GPS)

LAT: 52 44 988

LONG: 135 49 813

[illegible]

Comments:

* DIVISION OF ZERO is LINE 0 OF AUTOLOGY AT ADDRESS 0725:501E

ROSETTE LOG

MISSION ID: 2000-10
STATION NAME: ED07UTC DATE y/m/d: 2000/06/19
CAST NUMBER: 86

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										WIRE	WET
					Trip pressure	Confirmed Salinity	SAL		NUT	ALK	TCO							
1	338	1291	0.249	1000	140.35	✓	388	X	✓	✓			.026	7.048			0.310 DRY	0.309 wet
2	339	1292	0.436	800	140.14	✓												
3	340	1293	0.961	600	146.68	✓											0.308	
4	341	1294	***	500	132.63	✓	.953											
5	342	1295	1.523	400	142.32	✓											0.3075	
6	343	1297	2.090	300	143.09	✓											0.309	
7	344	1298	2.370	250		✓											0.308	
8	345	1299	2.666	200		✓											0.307	
9	346	1300	3.120	150		✓												
10	347	1301	4.223	125		✓												
11	348	1302	6.227	100		✓											0.308	
12	349	1303	6.538	75		✓												
13	350	1304	6.837	50		✓											0.307	
14	351	1305	6.819	25		✓												
15	352	1306	6.803	10		✓											0.306	
16	353	1307	6.783	0													307	
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

* DOUBLE TITRATION - FINISHED BEFORE END PT. RE TITRATE

*** DIVISION BY ZERO IN LINE 0 OF MODULE AUTOXY AT ADDRESS 0725:501E

ENTERED BY: FW

CHECKED BY: MR

Bottom Depth: 11169

Cast # down: 86

Cast # up: 86

Time	LOC	UTC
Begin:		2242
Bottom:		2250
End:		2345

START POSITION (GPS)	
LAT:	53 15 007
LONG:	135 49.983

BOTTOM POSITION (GPS)	
LAT:	53 15.030
LONG:	135 50.023

END POSITION (GPS)	
LAT:	53 15 017
LONG:	135 50 066

ROSETTE LOG

MISSION ID:**STATION NAME:**

UTC DATE y/m/d:

CAST NUMBER:

SHIP: Tully

ENTERED BY: fw

CHECKED BY: PM

Bottom Depth: 3031

Cast # down: 90

Cast # up: 90

Time	LOC	UTC
------	-----	-----

Begin: 04 40

Bottom: 04 56

End: 05 33

START POSITION (GPS)

LAT: 53° 44 979

LONG: 135' 49 283

BOTTOM POSITION (GPS)

LAT: 53° 44 919

LONG: 135' 49 838

END POSITION (GPS)

LAT: 53° 44' 813

LONG: 135° 49 668

[illegible]

Comments:

ROSETTE LOG

MISSION ID: 2060-10
STATION NAME: ED 05 / centreUTC DATE y/m/d: 2000/06/20
CAST NUMBER: 99SHIP: JOHN P TULLYNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken											
Trip	Confirmed	SAL		NUT	ALK	CHL	TCO						
pressure	Salinity		OXY										
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: H.M.Bottom Depth: 3465Cast # down: 99Cast # up: 99

Time	LOC	UTC
Begin:		<u>2251</u>
Bottom:		<u>2311</u>
End:		<u>2349</u>

START POSITION (GPS)		
LAT:	<u>52 45</u>	<u>027</u>
LONG:	<u>135 50</u>	<u>074</u>

BOTTOM POSITION (GPS)		
LAT:	<u>52 45</u>	<u>040</u>
LONG:	<u>135 50</u>	<u>079</u>

END POSITION (GPS)		
LAT:	<u>52 45</u>	<u>034</u>
LONG:	<u>135 50</u>	<u>389</u>

Comments:

BACKWARDS LABELING BY FRANK W.

ROSETTE LOG

MISSION ID: 2000-10
STATION NAME: E003UTC DATE y/m/d: 00/06/21
CAST NUMBER: 108SHIP: JOHN P TULLY

STATION NAME: <u>E 003</u>					CAST NUMBER: <u>108</u>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
					Trip pressure	Confirmed Salinity	SAL		NUT	nut	ALK	pH	TCO ₂																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Comments:

ENTERED BY: MR
CHECKED BY: HTBottom Depth: 3510Cast # down: 108Cast # up: 108

Time	LOC	UTC
Begin:		2319
Bottom:		2338
End:		0016

START POSITION (GPS)		
LAT:	52 15	057
LONG:	135 49	617

BOTTOM POSITION (GPS)		
LAT:	52 15	069
LONG:	135 49	918

END POSITION (GPS)		
LAT:	52 15	102
LONG:	135 50	343