

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: C1

UTC DATE y/m/d: 00/09/23
CAST NUMBER: 4

SHIP:

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		Phy						
1	1	1260	1.083	Bot-10		✓		x												
2	2	1261	1.148	125		✓		x												
3	3	1264	1.335	100		✓		x												
4	4	1267	1.807	75		✓														
5	5	1268	2.750	50		✓					✓									
6	6	1270	3.526	30		✓					✓									
7	7	1271	3.796	20		✓					✓									
8	8	1278	6.295	10							✓									
9	9	1273	6.721	0						✓	✓			✓						
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 152

Cast # down: 4
Cast # up: 4

Time	LOC	UTC
Begin:		23:34
Bottom:		23:40
End:		

START POSITION (GPS)
LAT: 48 28.878
LONG: 125 15.443

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48 28.89
LONG: 125 15.62

Comments:

ROSETTE LOG

MISSION ID: 2000-3.0
STATION NAME: C1

UTC DATE y/m/d: 00/09/23
CAST NUMBER: 5

SHIP:

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	10	1275	3.515	19	20	✓												
2	11	1276	3.624	13	16	✓												
3	12	1277	3.791	8	8	✓												
4	13	1272	4.722	5	5	✓												
5	14	1279	4.717	2	2	✓												
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 153

Cast # down: 5
Cast # up: 5

Time	LOC	UTC
Begin:		0029
Bottom:		
End:		00:36

START POSITION (GPS)
LAT: 48 28.878
LONG: 125 15.443

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48 28.91
LONG: 125 15.416

Comments:

UBC cast

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: B6/LC6

UTC DATE y/m/d: 00/09/24
CAST NUMBER: 14

SHIP: 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		14				
1	22	1282	2.223	Bot-10	85		✓	✓	✓					↓				
2	23	1283	3.292	75	75		✓							↓				
3	24	1284	3.963	50	50		✓			✓				↓				
4	25	1285	4.551	30	30													
5	26	1286	5.459	20	20													
6	27	1287	6.249	10	10													
7	28	1288	6.633	0	0													
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: LM
CHECKED BY:

Bottom Depth: 92

Cast # down: 14
Cast # up: 14

Time	LOC	UTC
Begin:		0800
Bottom:		0805
End:		0815

START POSITION (GPS)
LAT: 48 36 45
LONG: 125 53 98

BOTTOM POSITION (GPS)
LAT: 48 36 46
LONG: 125 53 96

END POSITION (GPS)
LAT: 48 36 47
LONG: 125 53 94

Comments:

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: LC8/A1

UTC DATE y/m/d: 2000/9/24
CAST NUMBER: 16

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	m/l OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	29	94	1.790	200	194		✓		✓	✓						✓		
2	30	255	1.640	150	149		✓											
3	31	337	2.600	125	124		✓											
4	32	364	4.354	100	100													
5	33	392	4.401	75	75													
6	24	572	3.345	50	49						✓							
7	35	443	3.627	30	30						✓							
8	36	486	4.368	20	21						✓							
9	37	534	5.505	10	11						✓							
10	38	535	6.069	0					✓	✓	✓					✓		
11																		
12																		
13																		
14				CTD data files overwritten by cast 18 entered as 16														
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: DY
CHECKED BY:

Bottom Depth:

Cast # down: 16
Cast # up: 16

Time	LOC	UTC
Begin:		0948
Bottom:		0955
End:		1009

START POSITION (GPS)
LAT: 48° 29' 44"
LONG: 126° 07' 10"

BOTTOM POSITION (GPS)
LAT: 48° 29' 44"
LONG: 126° 07' 08"

END POSITION (GPS)
LAT: 48° 29' 44"
LONG: 126° 07' 06"

Comments:

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: A3-L69

UTC DATE y/m/d: 00/09/24
CAST NUMBER: 21

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		N44						

1	39	588	0.262	30+ -10	✓		x								
2	40	632	0.219	750	✓		x								
3	41	641	0.628	500	✓		x								
4	42	650	1.246	400	✓		x								
5	43	657	2.291	300	✓		✓								
6	44	695	2.561	250	✓										
7	45	697	2.743	200	✓										
8	46	707	2.952	150	✓										
9	47	708	3.507	125	✓										
10	48	709	4.864	100	✓						x				
11	49	712	6.027	75	✓										
12	50	715	6.455	50	✓					x					
13	51	727	6.358	30	✓					x					
14	52	730	6.587	20	✓					x					
15	53	1105	6.199	10	✓					x					
16	54	1106	6.935	0	✓					x					
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: DA
CHECKED BY: DA

Bottom Depth: 915

Cast # down: 21
Cast # up: 21

Time	LOC	UTC
Begin:		1345
Bottom:		1407
End:		1435

START POSITION (GPS)
LAT: 48 24 69
LONG: 126 15 79

BOTTOM POSITION (GPS)
LAT: 48 24 70
LONG: 126 15 77

END POSITION (GPS)
LAT: 48 24 71
LONG: 126 15 84

003.720

Comments:

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: A3-LC9UTC DATE y/m/d: 00/09/24
CAST NUMBER: 22SHIP: JOHN A TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	55			19		✓												
2	56			13		✓												
3	57			8		✓												
4	58			5		✓												
5	59			2		✓												
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MRBottom Depth: 918Cast # down: 22Cast # up: 22

Time	LOC	UTC
Begin:		1520
Bottom:		1521
End:		1528

START POSITION (GPS)	
LAT:	48° 24' 68"
LONG:	126° 15' 84"

BOTTOM POSITION (GPS)	
LAT:	48° 24' 69"
LONG:	126° 15' 84"

END POSITION (GPS)	
LAT:	48° 24' 70"
LONG:	126° 15' 84"

Comments:

Shallow PP cast

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: ED01UTC DATE y/m/d: 2000/9/26
CAST NUMBER: 28SHIP: JOHN P TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp. <i>mt/l</i>	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	60	1134	1.357	2000		✓	✓	✓	✓				✓					
2	61	1135	0.996	1750		✓	✓											
3	62	1136	0.652	1500		✓	✓											
4	63	1137	0.393	1250		✓	✓											
5	64	1138	0.356	1000		✓	✓		✓				✓					
6	65	1141	0.342	750		✓												
7	66	1146	0.661	500		✓												
8	67	1142	1.098	400		✓												
9	68	1148	1.733	300		✓												
10	69	1153	2.122	250		✓												
11	70	1150	2.380	200		✓												
12	71	1171	3.036	150		✓												
13	72	1174	3.274	125		✓												
14	73	1175	4.231	100		✓									✓✓			
15	74	1176	5.911	75		✓									✓✓			
16	75	1177	6.835	50		✓				✓					✓✓			
17	76	1180	6.121	30		✓				✓					✓✓			
18	77	1188	6.232	20		✓				✓					✓✓			
19	78	1189	6.226	10		✓				✓					✓✓			
20	79	1191	6.220	0					✓	✓			✓	✓✓				
21																		
22																		
23																		
24																		

ENTERED BY: MRCHECKED BY: DYBottom Depth: 3536Cast # down: 28Cast # up: 28

Time	LOC	UTC
Begin:		1005
Bottom:		1054
End:		

START POSITION (GPS)	
LAT:	51 45.01
LONG:	136 10 24

BOTTOM POSITION (GPS)	
LAT:	51 45.11
LONG:	136 10 03

END POSITION (GPS)	
LAT:	
LONG:	

Comments:

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: E002

UTC DATE y/m/d: 00109/26
CAST NUMBER: 31

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp. ml/l	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	80	1209	0.324	1000		✓	✓	✓	✓									
2	81	1210	0.326	750		✓	✓	✓	✓									
3	82	1212	0.666	500		✓	✓	✓	✓									
4	83	1215	1.078	400		✓	✓	✓	✓									
5	84	1216	1.639	300		✓	✓	✓	✓									
6	85	1218	1.962	250		✓		✓	✓									
7	86	1219	2.455	200		✓		✓	✓									
8	87	1222	2.883	150		✓		✓	✓									
9	88	1223	3.601	125		✓		✓	✓									
10	89	1224	4.437	100		✓		✓	✓	✓								
11	90	1225	6.153	75		✓		✓	✓	✓								
12	91	1228	6.573	50		✓		✓	✓	✓								
13	92	1230	6.090	30		✓		✓	✓	✓								
14	93	1231	6.216	20		✓		✓	✓	✓								
15	94	1233	6.263	10				✓	✓	✓								
16	95	1234	6.268	0				✓	✓	✓								
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 3192

Cast # down: 31
Cast # up: 31

Time	LOC	UTC
Begin:		2316
Bottom:		2331
End:		0003

START POSITION (GPS)
LAT: 52 00.04
LONG: 136 10.12

BOTTOM POSITION (GPS)
LAT: 52 00.02
LONG: 136 10.13

END POSITION (GPS)
LAT: 52 00.04
LONG: 136 10.05

Comments:

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: EDO 3UTC DATE y/m/d: 00109127
CAST NUMBER: 33SHIP: JOHN P TULLYNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken													
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
			OXY		CHL		C13		NH4						

1	96	84	1.346	2000	✓		x								
2	97	255	0.939	1750	✓		x								
3	98	337	0.568	1500	✓		x								
4	99	364	0.378	1250	✓		x								
5	100	392	0.303	1000	✓		x								
6	101	443	0.395	750	✓		x	x							
7	102	486	0.809	500	✓										
8	103	534	1.266	400	✓										
9	104	535	in file but forgot to write down	300	✓										
10	105	572	2.284	250	✓										
11	106	588	2.665	200	✓										
12	107	632	3.550	150	✓										
13	108	641	4.345	125	✓										
14	109	650	5.407	100	✓					x					
15	110	657	6.592	75	✓					x					
16	111	695	6.586	50	✓					x					
17	112	697	6.215	30	✓					x					
18	113	707	6.251	20	✓					x					
19	114	708	6.246	10	✓					x					
20	115	709	6.550	0						x					
21															
22															
23															
24															

ENTERED BY: DA
CHECKED BY: MRBottom Depth: 3576Cast # down: 33Cast # up: 33

Time	LOC	UTC
Begin:		0234
Bottom:		0309
End:		0358

START POSITION (GPS)
LAT: <u>52 14.93</u>
LONG: <u>136 10.08</u>

BOTTOM POSITION (GPS)
LAT: <u>52 14.93</u>
LONG: <u>136 10.05</u>

END POSITION (GPS)
LAT: <u>52 14.96</u>
LONG: <u>136 10.06</u>

Comments:

Niskin 5 might have a small leak.

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: ED03UTC DATE y/m/d: 00/09/27
CAST NUMBER: 33SHIP: 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		NH4						
1	96	84	1.346	2000		✓		x												
2	97	255	0.939	1750		✓		x												
3	98	337	0.568	1500		✓		x												
4	99	364	0.378	1250		✓		x												
5	100	392	0.303	1000		✓		x												
6	101	443	0.395	750		✓		x	x											
7	102	486	0.809	500		✓														
8	103	534	1.266	400		✓														
9	104	535	in file, but forgot to ...	300		✓														
10	105	572	2.284	250		✓														
11	106	588	2.665	200		✓														
12	107	632	3.550	150		✓														
13	108	641	4.345	125		✓														
14	109	650	5.407	100		✓				x										
15	110	657	6.592	75		✓				x										
16	111	695	6.586	50		✓				x										
17	112	697	6.215	30		✓				x										
18	113	707	6.251	20		✓				x										
19	114	708	6.246	10		✓				x										
20	115	709	6.550	0						x										
21																				
22																				
23																				
24																				

ENTERED BY: DACHECKED BY: MRBottom Depth: 3576Cast # down: 33Cast # up: 33

Time LOC UTC

Begin: 0234Bottom: 0309End: 0358

START POSITION (GPS)

LAT: 52 14.93LONG: 136 10.08

BOTTOM POSITION (GPS)

LAT: 52 14.93LONG: 136 10.05

END POSITION (GPS)

LAT: 52 14.96LONG: 136 10.06

Comments:

Niskin 5 might have a small leak.

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: ED 04UTC DATE y/m/d: 00/09/27
CAST NUMBER: 36SHIP: 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		CI3						
1	116	1327	0.464	1000		✓		x	x	x								
2	117	1328	0.578	750		✓		x	x	xx								
3	118	1329	1.415	500		✓		x	x	x								
4	119	1330	1.814	400		✓		X	x	x								
5	120	1331	2.165	300		✓		X	x	x								5 not taken
6	121	1332	2.246	250		✓			x	x								" " "
7	122	1333	2.456	200		✓			x	x								
8	123	1334	3.552	150		✓			x	x								
9	124	1335	4.703	125		✓			x	x								
10	125	1336	5.557	100		✓			x	x	x							
11	126	1337	5.974	75		✓			x	x	x							
12	127	1338	6.161	50		✓			x	x	x							
13	128	1339	6.227	30		✓			x	x	x							
14	129	1340	6.280	20		✓			x	x	x							
15	130	1341	6.448	10		✓			x	x	x							
16	131	1342	6.450	0		✓			x	x	x							
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: MR
CHECKED BY: MRBottom Depth: 3472Cast # down: 36Cast # up: 36

Time	LOC	UTC
Begin:		0614
Bottom:		0636
End:		0707

START POSITION (GPS)	
LAT:	52° 29.98
LONG:	136° 10.02

BOTTOM POSITION (GPS)	
LAT:	52° 29.98
LONG:	136° 10.02

END POSITION (GPS)	
LAT:	52° 30.00
LONG:	136° 10.01

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: END 05UTC DATE y/m/d: 2000/9/27
CAST NUMBER: 42SHIP: J.P. TalleyNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken													
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
			OXY		CHL		Cl3		NH4						
1	132	1343	1.185	2000	✓		✓	✓	✓				✓		
2	133	1344	0.830	1750	✓		✓								
3	134	1345	0.492	1500	✓		✓								
4	135	1346	0.330	1250	✓		✓								
5	136	1347	0.304	1000	✓		✓						✓		
6	137	1348	0.442	750	✓										
7	138	1349	1.529	500	✓										
8	139	1350	1.872	400	✓										
9	140	1351	2.820	300	✓										
10	141	1352	2.269	250	✓	2246						132.47	O ₂ high	✓	.389
11	142	1353	2.508	200	✓										
12	143	1354	3.077	150	✓										
13	144	1355	4.083	125	✓										
14	145	1270	5.376	100	✓					✓			✓		
15	146	1268	5.818	75	✓					✓			✓		
16	147	1267	5.838	50	✓					✓			✓		
17	148	1264	6.403	30	✓					✓			✓		
18	149	1261	6.382	20	✓					✓			✓		
19	150	1260	7.071	10	✓					✓			✓		
20	151	1276	6.280	0						✓			✓		
21															
22															
23															
24															

ENTERED BY: LM
CHECKED BY:Bottom Depth: 3447Cast # down: 42Cast # up: 42

Time	LOC	UTC
Begin:		1405
Bottom:		1436
End:		1536

START POSITION (GPS)
LAT: 52 44.92
LONG: 136 09.98BOTTOM POSITION (GPS)
LAT: 52 45.02
LONG: 136 09.56END POSITION (GPS)
LAT: 52 45.04
LONG: 136 10.4001013126 10.02
.003 .720

Comments:

* BOTH - GARBAGE BURNING & SMOKE PRESENT WHILE SAMPLING

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: ED06UTC DATE y/m/d: 2000/9/27
CAST NUMBER: 45SHIP: 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	152	1327	0.362	1800		✓	✓	✓	✓									
2	153	1328	0.452	750		✓	✓	✓	✓									
3	154	1329	1.182	500		✓	✓	✓	✓									
4	155	1330	1.693	400		✓												
5	156	1331	2.003	300		✓												
6	157	1332	2.269	250		✓												
7	158	1333	2.426	200		✓												
8	159	1334	3.044	150		✓												
9	160	1335	3.797	125		✓												
10	161	1336	5.212	100		✓				✓								
11	162	1337	5.842	75		✓				✓								
12	163	1338	6.066	50		✓				✓								
13	164	1339	6.104	30		✓				✓								
14	165	1340	6.212	20						✓								
15	166	1341	6.245	10						✓								
16	167	1342	6.388	0						✓								
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:Bottom Depth: 3431Cast # down: 46 45?
Cast # up: 46 45?

Time	LOC	UTC
Begin:		<u>2245</u>
Bottom:		<u>2305</u>
End:		

START POSITION (GPS)	
LAT:	<u>53 00 01</u>
LONG:	<u>136 09.98</u>

BOTTOM POSITION (GPS)	
LAT:	<u>53 00 01</u>
LONG:	<u>136 09.99</u>

END POSITION (GPS)	
LAT:	<u>53 00 00</u>
LONG:	<u>136 10 00</u>

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: ED07

UTC DATE y/m/d: 2000 10 28
CAST NUMBER: 48

SHIP: JOHN P TULLY

[illegible]

ENTERED BY: DA

CHECKED BY: DA

Bottom Depth: 3419

Cast # down: 48

Cast # up: 48

Time	LOC	UTC
Begin:		0139
Bottom:		0207
End:		

START POSITION (GPS)	
LAT:	53 17.95
LONG:	136 07.61

BOTTOM POSITION (GPS)
LAT: 53 14 . 89
LONG: 136 09 . 66

END POSITION (GPS)	
LAT:	53 14.97
LONG:	136 09.94

Comments: _____

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: ED08UTC DATE y/m/d: 00/09/28
CAST NUMBER: 49SHIP: JOHN P TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp ml/l	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		CI3						
1	188	1134	0.432	1000		✓	✓	✓	✓									
2	189	1135	0.420	750		✓	✓	✓	✓									
3	190	1136	0.808	500		✓	✓	✓	✓									
4	191	1137	1.166	400		✓		✓	✓									
5	192	1138	1.793	300		✓		✓	✓									
6	193	1141	1.984	250		✓		✓	✓									
7	194	1142	2.381	200		✓		✓	✓									
8	195	1146	2.747	150		✓		✓	✓									
9	196	1148	3.290	125		✓		✓	✓									
10	197	1153	4.990	100		✓		✓	✓	✓								
11	198	1158	5.815	75		✓		✓	✓	✓								
12	199	1171	6.369	50		✓		✓	✓	✓								
13	200	1174	6.161	30		✓		✓	✓	✓								
14	201	1175	6.159	20		✓		✓	✓	✓			✓					
15	202	1176	6.146	10		✓		✓	✓	✓			✓					
16	203	1177	6.143	0				✓	✓	✓			✓					
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MRBottom Depth: 1293Cast # down: 49Cast # up: 49

Time	LOC	UTC
Begin:		0449
Bottom:		0504
End:		0536

START POSITION (GPS)	
LAT:	53° 30.00
LONG:	136° 09.98

BOTTOM POSITION (GPS)	
LAT:	53° 29.97
LONG:	136° 10.06

END POSITION (GPS)	
LAT:	53° 29.87
LONG:	136° 10.14

Comments:

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: E D09UTC DATE y/m/d: 00/09/28
CAST NUMBER: 52SHIP: JOHN P TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp. m/l/c	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		Cl3						
1	204	84	1.369	2000	2007		✓	✓	✓									
2	205	255	0.921	1750	1748		✓	✓	✓									
3	206	337	0.607	1500	1501		✓	✓	✓									
4	207	364	0.412	1250	1250		✓	✓	✓									
5	208	392	0.347	1000	999			✓	✓									
6	209	443	0.378	750	750			✓	✓									
7	210	486	0.797	500	500			✓	✓									
8	211	534	1.290	400	400			✓	✓									
9	212	535	1.868	300	299			✓	✓									
10	213	572	2.295	250	250			✓	✓									
11	214	588	2.968	200	200			✓	✓									
12	215	632	3.035	150	148			✓	✓									
13	216	641	4.085	125	125			✓	✓									
14	217	650	5.635	100	100			✓	✓	✓								
15	218	657	6.521	75	74			✓	✓	✓								
16	219	695	6.735	50	51			✓	✓	✓								
17	220	697	6.169	30	30			✓	✓	✓								
18	221	707	6.191	20	20			✓	✓	✓			✓					
19	222	708	6.235	10	9			✓	✓	✓			✓					
20	223	709	6.217	0	2			✓	✓	✓			✓					
21																		
22																		
23																		
24																		

Comments:

No comment (just killing time & using up the pencil)ENTERED BY: MR
CHECKED BY: skyBottom Depth: 3094Cast # down: 52Cast # up: 52

Time	LOC	UTC
Begin:	0110	0810
Bottom:	0155	0855
End:	0255	0955

START POSITION (GPS)
LAT: <u>53 45.09</u>
LONG: <u>136 9.98</u>

BOTTOM POSITION (GPS)
LAT: <u>53 45.06</u>
LONG: <u>136 10.05</u>

END POSITION (GPS)
LAT: <u>53 45.02</u>
LONG: <u>136 10.01</u>

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: ED10UTC DATE y/m/d: 00/09/28
CAST NUMBER: 55SHIP:

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	224	1209	0.324	1000		✓	X											
2	225	1210	0.476	750		✓	X											
3	226	1212	0.783	500		✓	X											
4	227	1215	1.139	400					X									
5	228	1216	1.724	300														
6	229	1218	2.116	250														
7	230	1219	2.488	200														
8	231	1222	2.783	150														
9	232	1223	3.152	125						✓								
10	233	1224	5.044	100						X								
11	234	1225	6.198	75						X								
12	235	1228	6.410	50						X								
13	236	1230	6.191	30						X								
14	237	1231	6.182	20						X			X					
15	238	1233	6.191	10						X			X					
16	239	1234	6.196	0	*				✓	X			X					
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY: Bottom Depth: 2826Cast # down: 55Cast # up: 55

Time	LOC	UTC
Begin:		1227
Bottom:		1249
End:		1315

START POSITION (GPS)
LAT: 54 00.03
LONG: 136 10.08

BOTTOM POSITION (GPS)
LAT: 54 00.03
LONG: 136 09 98

END POSITION (GPS)
LAT: 53 59.99
LONG: 136 09.91

Comments:

* LABELED # 95 - ED02

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: EDO7 W

UTC DATE y/m/d: 00/09/28
CAST NUMBER: 56

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	1134	1.239	2000	2000		✓	✓	✓											
2	241	1135	0.541	1500	1500		✓	✓	✓											
3	242	1136	0.315	1000	1000		✓	✓	✓											
4	243	1137	0.726	500	500			✓	✓											
5	244	1138	1.856	300	301			✓	✓											
6	245	1141	2.617	200	202			✓	✓											
7	246	1142	5.159	100	100			✓	✓	✓										
8	247	1146	6.541	75	73			✓	✓	✓										
9	248	1148	6.493	50	50			✓	✓	✓										
10	249	1153	6.081	30	31			✓	✓	✓										
11	250	1158	6.281	10	10			✓	✓	✓										
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: MR
CHECKED BY: DY

Bottom Depth: 3337

Cast # down: 56
Cast # up: 56

Time	LOC	UTC
Begin:		1848
Bottom:		1913
End:		1953

START POSITION (GPS)
LAT: 53 14.97
LONG: 136 39.93

BOTTOM POSITION (GPS)
LAT: 53 14.94
LONG: 136 39.91

END POSITION (GPS)
LAT: 53 14.87
LONG: 136 39.91

Comments:

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: E DOSEUTC DATE y/m/d: 00/09/29
CAST NUMBER: 58SHIP: 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	251	1327	1.255	2000	/	/	/	/	/	/	/	/	/	/	/
2	252	1328	0.500	1500	/	/	/	/	/	/	/	/	/	/	/
3	253	1329	NO SAMPLE	1000	/	/	/	/	/	/	/	/	/	/	/
4	254	1330	1.215	500	/	/	/	/	/	/	/	/	/	/	/
5	255	1331	2.039	300	/	/	/	/	/	/	/	/	/	/	/
6	256	1332	2.486	200	/	/	/	/	/	/	/	/	/	/	/
7	257	1333	5.698	100	/	/	/	/	/	/	/	/	/	/	/
8	258	1334	5.922	75	/	/	/	/	/	/	/	/	/	/	/
9	259	1335	6.138	50	/	/	/	/	/	/	/	/	/	/	/
10	260	1336	6.167	30	/	/	/	/	/	/	/	/	/	/	/
11	261	1337	6.204	10	/	/	/	/	/	/	/	/	/	/	/
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: DA
CHECKED BY: DABottom Depth: 3473Cast # down: 58Cast # up: 58

Time	LOC	UTC
Begin:		0108
Bottom:		0132
End:		0209

START POSITION (GPS)	
LAT:	52 44.92
LONG:	135 40.38

BOTTOM POSITION (GPS)	
LAT:	52 44.87
LONG:	135 40.46

END POSITION (GPS)	
LAT:	52 44.46
LONG:	135 40.94

Comments:

wrong name in file, should be EDOSE

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: 0003

UTC DATE y/m/d: 00/09/29
CAST NUMBER: 59

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	262	84	1.487	2000		✓	✓	✓	✓				✓					
2	263	255	0.950	1750		✓	✓	✓	✓									
3	264	337	0.579	1500	1503	✓	✓	✓	✓									
4	265	364	0.366	1250	1250	✓		✓	✓									
5	266	392	0.314	1000	1000	✓		✓	✓				✓					
6	267	443	0.400	750	750	✓		✓	✓				✓					
7	268	486	0.858	500	502	✓		✓	✓				✓					
8	269	534	1.326	400	397	✓		✓	✓				✓					
9	270	535	1.923	300	300	✓		✓	✓				✓					
10	271	572	2.240	250	252	✓		✓	✓				✓					
11	272	588	2.769	200	202	✓		✓	✓				✓					
12	273	632	3.240	150	150	✓		✓	✓				✓					
13	274	641	4.406	125	125	✓		✓	✓				✓					
14	275	650	5.295	100	101	✓		✓	✓	✓			✓	✓				
15	276	657	6.206	75	75	✓		✓	✓	✓			✓	✓				
16	277	695	6.444	50	50	✓		✓	✓	✓			✓	✓				
17	278	697	6.186	30	30	✓		✓	✓	✓			✓	✓				
18	279	707	6.209	20	20	✓		✓	✓	✓			✓	✓				
19	280	708	6.212	10	10	✓		✓	✓	✓			✓	✓				
20	281	709	6.194	0	2	✓		✓	✓	✓			✓	✓				
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 3577

Cast # down: 59
Cast # up: 59

Time	LOC	UTC
Begin:		0606
Bottom:		0651
End:		0749

START POSITION (GPS)
LAT: 52 15.13
LONG: 136 10.09

BOTTOM POSITION (GPS)
LAT: 52 15.07
LONG: 136 10.22

END POSITION (GPS)
LAT: 52 15.03
LONG: 136 10.10

Comments:

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: CS9

UTC DATE y/m/d: 00/10/01
CAST NUMBER: 68

SHIP: JOHN P TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp. ml/l	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		CI3						
1	282	1134	2.176		Bot-10	✓		x										
2	283	1135	2.152		150	✓		x										
3	284	1136	2.062		125	✓		x										
4	285	1137	2.404		100	✓							x					
5	286	1138	2.895		75	✓							x					
6	287	1141	3.301		50	✓				x			x					
7	288	1142	3.908		30	✓				x			x					
8	289	1146	4.043		20	✓				x			x					
9	290	1148	4.477		10	✓				x			x					
10	291	1153	6.200		0	✓				x			x					
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: D.A.
CHECKED BY: MR

Bottom Depth: 193

Cast # down: 68
Cast # up: 68

Time	LOC	UTC
Begin:		0308
Bottom:		0313
End:		0326

START POSITION (GPS)
LAT: 51°12' 44"
LONG: 128°28' 15"

BOTTOM POSITION (GPS)
LAT: 51°12' 41"
LONG: 128°28' 15"

END POSITION (GPS)
LAT: 51°12' 47"
LONG: 128°28' 12"

Comments:

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: CS7UTC DATE y/m/d: 00/10/01
CAST NUMBER: 75SHIP: JOHN P TOLLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp. <i>ml/l</i>	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13		<i>NH4</i>				
1	292	1171	3.549	Bot-10		✓	✓	✓	✓					✓				
2	293	1174	3.375	50		✓	✓	✓	✓					✓				
3	294	1175	4.169	30		✓	✓	✓	✓					✓				
4	295	1176	4.824	20		✓		✓	✓	✓				✓				
5	296	1177	6.199	10		✓		✓	✓	✓				✓				
6	297	1180	6.296	0		✓		✓	✓	✓				✓				
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY: MRBottom Depth: 70Cast # down: 75Cast # up: 75

Time	LOC	UTC
Begin:		0624
Bottom:		0628
End:		0636

START POSITION (GPS)
LAT: 51° 04' 40
LONG: 128° 42' 01BOTTOM POSITION (GPS)
LAT: 51° 04' 39
LONG: 128° 41' 98END POSITION (GPS)
LAT: 51° 04' 36
LONG: 128° 41' 94

Comments:

Shifted ~1 mile SSE from nominal sta location to avoid ~~being~~ trawlers.

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: CS1B

UTC DATE y/m/d: 2000/10/1
CAST NUMBER: 79

SHIP: JOHN P TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp. ml/l	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13		NH4				
1	298	1188	4.912	B-5	72	✓	✓	✓	✓				✓					
2	299	1189	4.898	50	51	✓	✓	✓	✓				✓					
3	300	1191	5.011	30	29	✓	✓	✓	✓				✓					
4	301	1192	5.023	20	20	✓		✓	✓	✓			✓					
5	302	1193	5.319	10	10	✓		✓	✓	✓			✓					
6	303	1194	5.461	0				✓	✓	✓			✓					
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: [signature]
CHECKED BY:

Bottom Depth: 28

Cast # down: 79
Cast # up: 79

Time	LOC	UTC
Begin:		0945
Bottom:		0948
End:		0955

START POSITION (GPS)
LAT: 50 53.07
LONG: 128 39.88

BOTTOM POSITION (GPS)
LAT: 50 53.07
LONG: 128 39.89

END POSITION (GPS)
LAT: 50 53.06
LONG: 128 39.92

Comments:

ROSETTE LOG

MISSION ID:
STATION NAME:2000-30
CSSUTC DATE y/m/d:
CAST NUMBER:2000/10/1
83SHIP: 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		NH4				
1	304	1195	3.886	3-5		✓	✓	✓			✓		
2	305	1197	3.921	50		✓	✓	✓	✓		✓		
3	306	1198	4.803	30		✓	✓	✓	✓		✓		
4	307	1201	4.777	20			✓	✓	✓		✓		
5	308	1202	5.350	10			✓	✓	✓		✓		
6	309	1203	5.422	0			✓	✓	✓		✓		
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

ENTERED BY:

CHECKED BY:

Bottom Depth: 65Cast # down: 83Cast # up: 93

Time LOC UTC

Begin: 1204

Bottom: 1208

End: 1213

START POSITION (GPS)

LAT: 50 55.90

LONG: 129 00.04

BOTTOM POSITION (GPS)

LAT: 50 55.90

LONG: 129 00.02

END POSITION (GPS)

LAT: 50 55.0

LONG: 128 59.94

Comments:

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: CS3B

UTC DATE y/m/d: 00/10/01
CAST NUMBER: 87

SHIP: JOHN P TULLY

Changed column number
to #0093391

Niskin No.	Sample No.	OXY. Flask	OXY. Temp. ml/l	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13		NH4				
1	310	1327	2.397	Bot-10	212	✓	✓	✓	✓									
2	311	1328	2.233	200		✓	✓	✓	✓									
3	312	1329	2.487	150		✓	✓	✓	✓									
4	313	1330	2.735	100		✓		✓	✓				✓					
5	314	1331	3.294	75		✓		✓	✓				✓					
6	315	1332	3.960	50		✓		✓	✓	✓			✓					
7	316	1333	4.865	30		✓		✓	✓	✓			✓					
8	317	1334	5.179	20		✓		✓	✓	✓			✓					
9	318	1335	6.102	10		✓		✓	✓	✓			✓					
10	319	1336	6.160	0		✓		✓	✓	✓			✓					
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: DA
CHECKED BY: MR

Bottom Depth: 219

Cast # down: 87
Cast # up: 87

Time	LOC	UTC
Begin:		1549
Bottom:		1554
End:		1610

START POSITION (GPS)
LAT: 50° 59' 21"
LONG: 129° 27' 06"

BOTTOM POSITION (GPS)
LAT: 50° 59' 23"
LONG: 129° 27' 08"

END POSITION (GPS)
LAT: 51° 00' 01"
LONG: 129° 27' 04"

Comments: BURNING GARBAGE WHILE SAMPLING

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: CSO

UTC DATE y/m/d: 00/10/01
CAST NUMBER: 95

SHIP: JOHN P TULLY

colorimeter #93391

Niskin No.	Sample No.	OXY. Flask	OXY. Temp. ml/l	Sample Depth	ROSETTE OPERATION		Samples taken													
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
								OXY		CHL		C13		NH4						
1	320	1209	0.279	1000		✓	✓	✓	✓											
2	321	1210	0.298	750		✓	✓	✓	✓											
3	322	1212	0.623	500		✓	✓	✓	✓											
4	323	1215	0.959	400		✓	✓	✓	✓											
5	324	1216	1.447	300		✓	✓	✓	✓											
6	325	1219	2.521	* 250		✓	✓	✓	✓											
7	326	1218	1.799	* 200		✓	✓	✓	✓											
8	327	1222	3.171	150		✓	✓	✓	✓											
9	328	1223	3.815	125		✓	✓	✓	✓											
10	329	1224	5.124	100		✓	✓	✓	✓				✓							
11	330	1225	6.245	75		✓	✓	✓	✓				✓							
12	331	1228	6.882	50		✓	✓	✓	✓				✓							
13	332	1230	6.288	30		✓	✓	✓	✓				✓							
14	333	1231	6.296	20		✓	✓	✓	✓				✓							
15	334	1233	6.283	10		✓	✓	✓	✓				✓							
16	335	1234	6.315	0		✓	✓	✓	✓				✓							
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: MR
CHECKED BY: DA

Bottom Depth: 2172

Cast # down: 95
Cast # up: 95

Time	LOC	UTC
Begin:		2332
Bottom:		0011
End:		0104

START POSITION (GPS)
LAT: 50 28.53
LONG: 129 55.04

BOTTOM POSITION (GPS)
LAT: 50 28.49
LONG: 129 55.02

END POSITION (GPS)
LAT: 50 28.44
LONG: 129 55.05

Comments: Note 2 samples 325 & 326 are reversed -> the one in file as 326 is 250m, 325 is 200m
Notes OK

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: CSIUTC DATE y/m/d: 00/01/02
CAST NUMBER: 101SHIP: JOHN P TULLYNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken													
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
			OXY		CHL		CI3		NH4						
1	336	1134	0.263	1000		/									
2	337	1135	0.281	750		/									
3	338	1136	0.453	500		/									
4	339	1137	0.797	400		/									
5	340	1138	1.420	300		/									
6	341	1141	1.810	250		/									
7	342	1142	2.423	200		/									
8	343	1146	2.861	150		/									
9	344	1148	3.664	125	100	/									
10	345	1153	4.145	100	75	/									
11	346	1158	4.630	75	50	/									
12	347	1171	5.461	50	30	/									
13	348	1174	6.180	30	20	/									
14	349	1175	6.279	20	10	/									
15	350	1176	6.289	10	0	/									
16				0											
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: MR
CHECKED BY: MRBottom Depth: 2098Cast # down: 101Cast # up: 101

Time	LOC	UTC
Begin:		0355
Bottom:		0435
End:		0523

START POSITION (GPS)
LAT: 50 34.97
LONG: 129 41.47BOTTOM POSITION (GPS)
LAT: 50 34.87
LONG: 129 41.64END POSITION (GPS)
LAT: 50 35.00
LONG: 129 41.56

Comments:

FORGOT TO CLOSE ONE BOTTLE -> 125 m.

Rosette Log, 24 bottle

CRUISE NO:
STATION NO:

UTC DATE:
HYDRO No.:

VESSEL:

NISK.
No.

SAMPLE
No.

OXY.
Flask

~~W/~~
OXY.
~~TEMP~~

Sample
Depth
db

ROSETTE OPERATION		
Trip	Trip	Trip
Depth (db)	Temp.	Confirmed

Temperature or Pressure
Sensor 1
SERIAL # oC or dbar

Temperature or Pressure
Sensor 2
SERIAL # oC or dbar

ENTERED BY: DY
CHECKED BY: DY

Bottom Depth:	227
Cast No:	107

Time	LOC	UTC
Begin:		0957
Bottom:		1003
End:		—

BEGIN POSITION (GPS)	
LAT:	50 45 58
LONG:	129 19.61

BOTTOM POSITION (GPS)	
LAT:	50° 45.57
LONG:	129° 19' 76

END POSITION (GPS)	
LAT:	
LONG:	

Comments

[illegible]

* bad titration # 366 (late stir bar) data in file high (wrong)

2000-20

2000/10/2

110

VESSEL: John P Tully

CHECKED BY: DA

Cast No: 110

Begin: 11/2/9

Bottom: 1223

End:	1305
------	------

LAT: 50 39.92

LONG: 129 17 70

LAT: 50 39.99

LONG: 129 17 75

LAT: 50 39.96

LONG: 129 17.92

Comments

NISK. No.	SAMPLE No.	OXY. Flask	OXY. TEMP	Sample Depth db	ROSETTE OPERATION			Temperature or Pressure Sensor 1		Temperature or Pressure Sensor 2	
					Trip Depth (db)	Trip Temp.	Trip Confirmed	SERIAL #	oC or dbar	SERIAL #	oC or dbar
1	361	1260	0.279	1000	✓	✓	✓				
2	362	1261	0.310	750	✓	✓					
3	363	1264	0.735	500	✓	✓					
4	364	1267	1.469	400	✓						
5	365	1268	2.076	300	✓						
6	366	1270	3.543	250	✓						
7	367	1271	2.788	200	✓						
8	368	1272	3.099	150	✓						
9	369	1273	3.431	125	✓						
10	370	1274	3.675	100	✓			✓	✓		
11	371	1275	6.436	75	✓			✓	✓		
12	372	1276	6.861	50	✓			✓	✓		
13	373	1277	6.208	30	✓			✓	✓		
14	374	1278	6.042	20	✓			✓	✓		
15	375	1279	6.081	10	✓			✓	✓		
16	376	1280	6.071	0	✓			✓	✓		

VESSEL: TULLY

2000-30
LBPO7

02/10/00
116

ENTERED BY: EB

CHECKED BY:

Bottom Depth: 2184 m

Cast No: 116

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

Begin: 2231

Bottom: 2304

End:	2355
------	------

BEGIN POSITION (GPS)

LAT: 49-52.44

LONG: 128.11.21

BOTTOM POSITION (GPS)

LAT: 49 52.47

LONG: 128' 11.32

END POSITION (GPS)

LAT: 49 52 46

LONG: 128 il. 30

Comments

[illegible]

* O_2 bad endpoint - ~~photo~~ ^{use prod. data. NO LOS} ~~standard~~ ^{SAMPLING FROM THESE WISKINS.} on colorimeter. Low by?
medusa tentacle

ROSETTE LOG

MISSION ID:

2000-30

UTC DATE y/m/d:

00/10/03

STATION NAME:

LBP 2

CAST NUMBER:

117

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp. m/e	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	399	1238	3.681	8-5	89	✓	✓	✓	✓					✓				
2	400	1241	5.505	75		✓	✓											
3	401	1243	5.486	50		✓	✓											
4	402	1244	5.049	41		✓				✓								
5	403	1247	4.964	30		✓												
6	404	1248	5.167	24		✓				✓								
7	405	1249	5.947	20		✓												
8	406	1251	6.466	15		✓				✓								
9	407	1252	6.740	10		✓				✓								
10	408	1254	6.881	6		✓				✓								
11	409	1256	6.769	2		✓				✓								
12	410	1258	6.770	0		✓												
13	411																	
14	412																	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

H A

CHECKED BY:

D A

Bottom Depth:

98

Cast # down:

117

Cast # up:

117

Time

LOC

UTC

Begin:

0154

Bottom:

0202

End:

0217

START POSITION (GPS)

LAT:

50° 03.99

LONG:

127° 54.46

BOTTOM POSITION (GPS)

LAT:

50 04 08

LONG:

127 54 45

END POSITION (GPS)

LAT:

50 04 28

LONG:

127 54 57

Comments:

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: LBP4

UTC DATE y/m/d: 00/10/03
CAST NUMBER: 121

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		NH4						
1	411	1327	0.350	1000		✓	✓	✓	✓											
2	412	1328	0.320	750		✓	✓	✓	✓											
3	413	1329	1.439	500		✓	✓	✓	✓											
4	414	1330	1.541	400		✓		✓	✓											
5	415	1331	1.599	300		✓		✓	✓											
6	416	1332	1.718	250		✓		✓	✓											
7	417	1333	1.806	200		✓		✓	✓											
8	418	1334	2.055	150		✓		✓	✓											
9	419	1335	2.647	125		✓		✓	✓											
10	420	1336	3.306	100		✓		✓	✓					✓						
11	421	1337	4.330	75		✓		✓	✓					✓						
12	422	1338	6.386	50		✓		✓	✓	✓				✓						
13	423	1339	6.093	30		✓		✓	✓	✓				✓						
14	424	1340	6.213	20		✓		✓	✓	✓				✓						
15	425	1341	6.615	10		✓		✓	✓	✓				✓						
16	426	1342	6.667	0				✓	✓	✓				✓						
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 1040?

Cast # down: 121
Cast # up: 121

Time	LOC	UTC
Begin:		0409
Bottom:		0422
End:		04

START POSITION (GPS)
LAT: 50 01.35
LONG: 127 58 11

BOTTOM POSITION (GPS)
LAT: 50 01.39
LONG: 127 58 24

END POSITION (GPS)
LAT: 50 01.35
LONG: 127 58 08

Comments:

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: LBPG

UTC DATE y/m/d: 00/10/03
CAST NUMBER: 124

SHIP: JOHN P TULLY

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

ROSETTE OPERATION		Samples taken											
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
			OXY		CHL		Cl3		MMH				

1	427	1297	0.329	Bot-10	800	✓	✓	✓					
2	428	1298	0.795	500	700	✓	✓	✓					
3	429	1299	1.135	400	400	✓	✓	✓					
4	430	1300	1.438	300	300	✓	✓	✓					
5	431	1301	1.680	250	250	✓	✓	✓					
6	432	1302	2.308	200	200	✓	✓	✓					
7	433	1303	2.636	150	150	✓	✓	✓					
8	434	1304	2.924	125	125	✓	✓	✓					
9	435	1305	3.515	100	100	✓	✓	✓		✓			
10	436	1306	4.613	75	74	✓	✓	✓		✓			
11	437	1307	4.831	50	50	✓	✓	✓		✓			
12	438	1308	4.649	30	30	✓	✓	✓		✓			
13	439	1309	4.862	20	20	✓	✓	✓		✓			
14	440	1310	6.211	10	10	✓	✓	✓		✓			
15	441	1311	6.241	0			✓	✓		✓			
16													
17													
18													
19													
20													
21													
22													
23													
24													

Comments:

ENTERED BY: MR
CHECKED BY:

Bottom Depth: 783

Cast # down: 124

Cast # up:

Time	LOC	UTC
Begin:		0728
Bottom:		0746
End:		0818

START POSITION (GPS)
LAT: 49 56.23
LONG: 128 541

BOTTOM POSITION (GPS)
LAT: 49 56.28
LONG: 128 5.50

END POSITION (GPS)
LAT: 49 56.35
LONG: 128 5.45

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: LBPB

UTC DATE y/m/d: 00/10/03
CAST NUMBER: 125

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	442	84	0.250	1000	1000	✓ 1000	✓		✓									
2	443	255	0.385	750	746	✓ 746	✓											
3	444	337	1.034	500	500	✓ 500	✓											
4	445	364	1.611	400	400	✓ 400												
5	446	392	2.341	300	300	✓ 300												
6	447	443	2.679	250	250	✓ 250												
7	448	406		200		148												
7.8	449	534	3.482	150	150	✓ 122												
8.8	450	535	3.589	125	123	✓ 98												
10	451	572	4.448	100	100	✓ 98							✓					
11	452	588	5.512	75	74	✓ 74							✓					
12	453	632	5.800	50	50	✓ 48				✓			✓					
13	454	641	5.778	30	29	✓ 28				✓			✓					
14	455	650	6.111	20	20	✓ 20				✓			✓					
15	456	657	6.115	10	9	✓ 9				✓			✓					
16	457	695	6.090	0	1.3	✓ 1.7			✓	✓			✓					
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: MR
CHECKED BY:

Bottom Depth: 2072

Cast # down: 125
Cast # up:

Time	LOC	UTC
Begin:		0941
Bottom:		1814
End:		1057

START POSITION (GPS)
LAT: 49 48.49
LONG: 128 16.66

BOTTOM POSITION (GPS)
LAT: 49 48.58
LONG: 128 16.69

END POSITION (GPS)
LAT: 49 48.58
LONG: 128 16.83

Comments: Missed 200m bottle - doubled @ 100m - discarded niskin 9 (labels changed)

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: L66

UTC DATE y/m/d: 00/10/03
CAST NUMBER: 127

SHIP: JOHN P TULLY

laptop locked on #468
interference from cell phone?

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

					ROSETTE OPERATION		Samples taken											
					Trip	Confirmed	SAL		NUT		ALK		TCO					
					pressure	Salinity		OXY		CHL		CI3		NH4				
1	458	1260	0.285	Bot-10	544	✓	✓	✓	✓									
2	459	1261	0.389	750		✓	✓	✓										
3	460	1267	0.665	500		✓	✓											
4	461			400		✓											EMPTY	
5	462	1264	1.797	300		✓												
6	463	1270	2.070	250		✓												
7	464	1271	2.559	200		✓												
8	465	1272	3.026	150		✓												
9	466	1273	3.276	125		✓												
10	467	1274	3.862	100		✓								✓				
11	468	1275	1.027	75		✓								✓				
12	469	1276	6.539	50		✓				✓				✓				
13	470	1277	6.600	30		✓												
14	471	1278	6.596	30		✓				✓				✓				
15	472	1279	5.984	20		✓				✓				✓				
16	473	1280	6.154	10		✓				✓				✓				
17	474	1281	6.131	0		✓		✓	✓	✓				✓				
18	475			20		✓												
19	476			14		✓												
20	477			8		✓												
21	478			5		✓												
22	479			2		✓												
23																		
24																		

ENTERED BY: ME
CHECKED BY:

Bottom Depth: 953

Cast # down: 127
Cast # up: 127

Time	LOC	UTC
Begin:		1812
Bottom:		1832
End:		1915

START POSITION (GPS)
LAT: 49° 03.41
LONG: 127° 01.16

BOTTOM POSITION (GPS)
LAT: 49° 03.44
LONG: 127° 01.12

END POSITION (GPS)
LAT: 49 3.63
LONG: 127 0.87

Comments:

NISK 13: UBC BOTTLE (AS # 18-22)
#4 tripped but empty at surface

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: LG3

UTC DATE y/m/d: 2000/10/3
CAST NUMBER: 129

SHIP: John P. Tully

ENTERED BY: DEM

CHECKED BY:

Bottom Depth: 126 m

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		2123
Bottom:		2125
End:		2145

START POSITION (GPS)	
LAT:	49° 15' 09"
LONG:	126° 43' 64"

BOTTOM POSITION (GPS)	
LAT:	49° 15.06
LONG:	126° 43.58

END POSITION (GPS)	
LAT:	49 15. 19
LONG:	126 43 40

[illegible]

Comments: Nuts - duplicates taken; NHy also taken at all deaths. Nuts taken

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: L61

UTC DATE y/m/d: 2000/10/3
CAST NUMBER: 130

SHIP: Tully

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

ROSETTE OPERATION		Samples taken											
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
			OXY	DO	CHL		C13		NH4				

ENTERED BY: DFM
CHECKED BY:

Bottom Depth: 56

Cast # down: 130
Cast # up:

Time	LOC	UTC
Begin:		2250
Bottom:		2252
End:		2300

START POSITION (GPS)
LAT: 49°20.57
LONG: 126°34'84

BOTTOM POSITION (GPS)
LAT: 49°20.57
LONG: 126°34'86

END POSITION (GPS)
LAT: 49°20'58
LONG: 126°34'90

1	493	1291	5.367	B-5		✓		✓	✓	✓	✓			✓					
2	494	1292	4.347	30		✓		✓	✓	✓				✓					
3	495	1293	4.480	20		✓		✓	✓	✓				✓					
4	496	1294	5.830	10		✓		✓	✓	✓				✓					
5	497	1295	6.070	0		✓		✓	✓	✓				✓					
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: 462

UTC DATE y/m/d: 2000/10/13
CAST NUMBER: 131

SHIP:

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

ROSETTE OPERATION		Samples taken											
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
			OXY		CHL		C13		NH4				

1	498	1209	3.875	Bot-5		✓		✓	✓	✓				✓					
2	499	1210	5.178	75		✓		✓	✓					✓					
3	500	1212	6.069	50				✓	✓	✓	✓			✓					
4	501	1215	4.462	30				✓	✓	✓				✓					
5	502	1216	4.385	20				✓	✓	✓				✓					
6	503	1218	4.993	10				✓	✓	✓				✓					
7	504	1219	5.428	0				✓	✓	✓				✓					
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:
CHECKED BY:

Bottom Depth: 102

Cast # down: 131
Cast # up: 131

Time	LOC	UTC
Begin:		23 35
Bottom:		23 38
End:		23 47

START POSITION (GPS)		
LAT:	49 18 77	
LONG:	126 38 07	

BOTTOM POSITION (GPS)		
LAT:	49 18 77	
LONG:	126 38 07	

END POSITION (GPS)		
LAT:	49 18 78	
LONG:	126 38 06	

Comments:

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: LG4

UTC DATE y/m/d: 00/10/4
CAST NUMBER: 134

SHIP: JOHN P. TULLY

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

ROSETTE OPERATION		Samples taken											
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
			OXY		CHL		C13		NH4				

1	505	1222	1.503	B-5		✓	✓	✓					
2	506	1223	1.479	125	✱	✓	✓	✓					
3	507	1224	2.769	100		✓	✓	✓			✓		
4	508	1225	5.218	75			✓	✓	✓		✓		
5	509	1228	6.278	50			✓	✓	✓		✓		
6	510	1230	5.698	30	✱		✓	✓	✓		✓		
7	511	1231	6.140	20			✓	✓	✓		✓		
8	512	1233	6.149	10	✱✱		✓	✓	✓		✓		
9	513	1234	6.265	0			✓	✓	✓		✓		
10													
11													
12													
13													
14													
15													
16													
17													
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19													
20													
21													
22													
23													
24													

ENTERED BY:
CHECKED BY:

Bottom Depth: 146

Cast # down: 134
Cast # up: 134

Time	LOC	UTC
Begin:		0150
Bottom:		0154
End:		

START POSITION (GPS)
LAT: 49 11.271
LONG: 126 49.371

BOTTOM POSITION (GPS)
LAT: 49 11.28
LONG: 126 49.34

END POSITION (GPS)
LAT:
LONG:

Comments:
✱ - NOT CORRECT - STILL COLOUR IN FLASK - PARTICULATE SPIKE ENDED TITRE
✱ - SPIKEY
✱✱ - SAME AS ✱

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: LG-7

UTC DATE y/m/d: 00/10/04
CAST NUMBER: 136

SHIP: JOHN P TULLY

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

ROSETTE OPERATION		Samples taken											
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
			OXY		CHL		C13		NH4				

1	514	1237	0.249	1000		✓		✓	✓	✓									
2	515	1238	0.241	750		✓		✓											
3	516	1241	0.618	500		✓		✓											
4	517	1243	1.108	400		✓													
5	518	1244	1.865	300		✓													
6	519	1247	2.404	250		✓													
7	520	1248	2.887	200		✓													
8	521	1249	2.854	150		✓													
9	522	1251	3.405	125		✓													
10	523	1252	4.741	100		✓						✓							
11	524	1254	6.090	75		✓						✓							
12	525	1256	6.476	50		✓				✓		✓							
13	526	1258	6.460	30		✓				✓		✓							
14	527	84	6.397	20		✓				✓		✓							
15	528	255	6.372	10		✓				✓		✓							
16	529	337	6.353	0				✓	✓	✓		✓							
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 1756

Cast # down: 136
Cast # up: 136

Time	LOC	UTC
Begin:		0435
Bottom:		0506
End:		0545

START POSITION (GPS)	
LAT:	48° 59.37
LONG:	127° 07.18

BOTTOM POSITION (GPS)	
LAT:	48° 59.57
LONG:	127° 07.26

END POSITION (GPS)	
LAT:	48° 59.51
LONG:	127° 07.18

Comments:

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: LG 9

UTC DATE y/m/d: 00/10/04
CAST NUMBER: 139

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			NH4					
1	530	364	0.252	1000		✓	✓	✓	✓											
2	531	392	0.297	750		✓	✓													
3	532	443	0.655	500		✓	✓													
4	533	486	1.188	400		✓														
5	534	534	2.056	300		✓														
6	535	535	2.504	250		✓														
7	536	572	2.955	200		✓														
8	537	588	3.236	150		✓														
9	538	632	3.851	125		✓														
10	539	641	5.511	100		✓									✓					
11	540	650	6.655	75		✓									✓					
12	541	657	6.054	50		✓				✓					✓					
13	542	695	5.729	30		✓				✓					✓					
14	543	697	6.130	20		✓				✓					✓					
15	544	707	6.162	10		✓				✓					✓					
16	545	708	6.184	0		✓			✓	✓	✓				✓					
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 2050

Cast # down: 139
Cast # up:

Time	LOC	UTC
Begin:		0806
Bottom:		0836
End:		0927

START POSITION (GPS)
LAT: 48 56.15
LONG: 127 19.28

BOTTOM POSITION (GPS)
LAT: 48 51.18
LONG: 127 19.29

END POSITION (GPS)
LAT: 48 51.20
LONG: 127 19.43

Comments:

ROSETTE LOG

MISSION ID: 2000-30

UTC DATE y/m/d: 00/10/04

SHIP: JOHN P TULLY

STATION NAME: 558

CAST NUMBER: 141

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

SAL

OXY

NUT

CHL

ALK

C13

TCO

NH4

Samples taken

1	546	84	1.282	1000	✓		✓	✓										143.14
2	547	255	0.253	750	✓		✓	✓										141.07
3	548	337	0.847	500	✓		✓	✓										
4	549	364	0.937	400	✓		✓	✓										
5	550	392	1.866	300	✓		✓	✓										
6	551	443	2.252	250	✓		✓	✓										
7	552	486	2.968	200	✓		✓	✓										
8	553	534	2.969	150	✓		✓	✓										
9	554	535	3.411	125	✓		✓	✓										
10	555	572	3.737	100	✓		✓	✓						✓				
11	556	588	4.499	75	✓		✓	✓						✓				
12	557	632	5.527	50	✓		✓	✓	✓					✓				
13	558	641	6.045	30	✓		✓	✓	✓					✓				
14	559	650	6.251	20	✓		✓	✓	✓					✓				
15	560	657	6.264	10	✓		✓	✓	✓					✓				
16	561	695	6.245	0	✓		✓	✓	✓					✓				
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: DA

CHECKED BY: MR

Bottom Depth: 1722

Cast # down: 141

Cast # up: 141

Time LOC UTC

Begin: 1452

Bottom: 1512

End: 1546

START POSITION (GPS)

LAT: 49° 20' 07"

LONG: 127° 40' 30"

BOTTOM POSITION (GPS)

LAT: 49° 20' 10"

LONG: 127° 40' 34"

END POSITION (GPS)

LAT: 49° 20' 10"

LONG: 127° 40' 88"

Comments:

ROSETTE LOG

MISSION ID: 2000-30

UTC DATE y/m/d: 00/10/04

SHIP: JOHN P TULLY

STATION NAME: L56

CAST NUMBER: 144

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		RAA				

1	562	1209	0.279	1000	✓	✓	✓	✓									
2	563	1210	0.315	750	✓	✓	✓	✓									
3	564	1212	0.920	500	✓	✓	✓	✓									
4	565	1215	1.009	400	✓	✓	✓	✓									
5	566	1216	1.980	300	✓	✓	✓	✓									
6	567	1218	1.833	250	✓	✓	✓	✓									
7	568	1219	2.127	200	✓	✓	✓	✓									
8	569	1222	2.655	150	✓	✓	✓	✓									
9	570	1223	3.082	125	✓	✓	✓	✓									
10	571	1224	3.558	100	✓	✓	✓	✓									
11	572	1225	6.053	75	✓	✓	✓	✓									
12	573	1228	6.470	50	✓	✓	✓	✓									
13	574	1230	6.394	30	✓	✓	✓	✓									
14	575	1231	6.145	20	✓	✓	✓	✓									
15	576	1233	6.121	10	✓	✓	✓	✓									
16	577	1234	6.119	0	✓	✓	✓	✓									
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY: MR
CHECKED BY: DY

Bottom Depth: 1030?

Cast # down: 144

Cast # up: 144

Time	LOC	UTC
Begin:		1835
Bottom:		1847
End:		

START POSITION (GPS)

LAT: 49° 27.88

LONG: 127° 28.57

BOTTOM POSITION (GPS)

LAT: 49° 27.95

LONG: 127° 28.57

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: LJ4

UTC DATE y/m/d: 2000/10/4
CAST NUMBER: 147

SHIP: Tully

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

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

ENTERED BY: DY
CHECKED BY:

Bottom Depth:

Cast # down: 147
Cast # up:

Time	LOC	UTC
Begin:		2153
Bottom:		2157
End:		2209

START POSITION (GPS)
LAT: 49 35 53
LONG: 127 16 95

BOTTOM POSITION (GPS)
LAT: 49 35 59
LONG: 127 16 93

END POSITION (GPS)
LAT: 49 35 69
LONG: 127 16 84

1	578	1235	1.628	5-5	156	✓	✓	✓											
2	579	1237	1.845	125		✓	✓	✓											
3	580	1238	2.280	100		✓	✓	✓						✓					
4	581	1241	3.498	75		✓	✓	✓						✓					
5	582	1243	5.386	50		✓	✓	✓						✓					
6	583	1244	6.367	30		✓	✓	✓						✓					
7	584	1247	5.720	20		✓	✓	✓						✓					
8	585	1248	6.335	10		✓	✓	✓						✓					
9	586	1249	6.226	0	1.8	✓	✓	✓						✓					
10																			
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Comments:

ROSETTE LOG

MISSION ID: 2000-30
STATION NAME: 652

UTC DATE y/m/d: 2000/10/4⁵
CAST NUMBER: 150

SHIP: Tully

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

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

1	587	1134	2.593	13-5	-		✓	✓	✓				✓						
2	588	1135	5.058	50	-		✓	✓	✓				✓						
3	589	1136	4.528	30	-		✓	✓	✓				✓						
4	590	1137	5.345	20	-					✓			✓						
5	591	1138	6.702	10	-								✓						
6	592	1141	6.762	0	-		✓	✓	✓				✓		1.076	6.741			
7																			
8																			
9																			
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21																			
22																			
23																			
24																			

ENTERED BY:
CHECKED BY:

Bottom Depth: 83

Cast # down: 150
Cast # up:

Time	LOC	UTC
Begin:		0000
Bottom:		0005
End:		0012

START POSITION (GPS)
LAT: 49 42.70
LONG: 127 05 20

BOTTOM POSITION (GPS)
LAT: 49 42.74
LONG: 127 05 14

END POSITION (GPS)
LAT: 49 42.67
LONG: 127 05 08

Comments: