

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LB 01

UTC DATE y/m/d: 99 06 30
CAST NUMBER: 1

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						
1	41	1264	4.570	Bottom 5	29.9			X										
2	32	1261	5.025	20	20			X										
3	23	1260	7.048	10	10			X										
* 4	14	1258	X	0	0			X										
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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19																		
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22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 36

Cast # down: /
Cast # up: /

Time LOC UTC
Begin: 0801
Bottom:
End:

START POSITION (GPS)
LAT: 48 40.425
LONG: 124 59.571

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

* HAD TO REPLACE DISPENSING TUBE, LOST TOP (0m) sample

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LB02

UTC DATE y/m/d: 99 06 30
CAST NUMBER: 2

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	☒	NUT	ALK	TCO							
1	5	1267	3.864	50	50			↑										
2	6	1268	4.536	30	30													
3	7	1269	4.604	20	20													
4	8	1270	4.751	10	10													
5	9	1271	5.869	0	0			↓										
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
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20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 60 m

Cast # down:
Cast # up:

Time LOC UTC
Begin: 0759
Bottom:
End:

START POSITION (GPS)
LAT: 48 38.986
LONG: 125 02.574

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LB04

UTC DATE y/m/d: 99 06 30
CAST NUMBER: 4

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									
1	10	1272	1.807	100	100				X												
2	11	1273	2.109	75	75				X												
3	12	1274	3.080	50	50				X												
4	13	1275	4.024	30	30				X												
5	14	1276	4.435	20	20				X												
6	15	1277	5.740	10	10				X												
7	16	1278	6.138	0	17				X												
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
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20																					
21																					
22																					
23																					
24																					

ENTERED BY:
CHECKED BY:

Bottom Depth: 106

Cast # down:
Cast # up:

Time LOC UTC
Begin: 0921
Bottom:
End:

START POSITION (GPS)
LAT: 48 35.671
LONG: 125 08.706

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

** Sample 15, flask 1277 - glass stopper was left partially out of flask bottle after pickling. Thus exposed to air for approximately 8 hrs.

ROSETTE LOG

MISSION ID: 9928
STATION NAME: L306

UTC DATE y/m/d: 990630
CAST NUMBER: 6

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		CI3			RAY						
1	17	723	1.576	Bot -5	110				X	X	X									
2	18	727	1.774	100	100				X	X	X									
3	19	730	2.195	75	75				X	X	X									
* 4	20	735	4.566	50	50				X	X	X									
* 5	21	732	2.776	30	30				X	X										
6	22	734	4.082	20	20				X	X										
7	23	1045	6.114	10	10				X	X										
8	24	1062	6.467	5	5				X	X							X			
9	24A	1090	6.631	0	0				X	X										
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 118

Cast # down: 6
Cast # up: 6

Time LOC UTC
Begin: 1047
Bottom:
End:

START POSITION (GPS)
LAT: 48 32 196
LONG: 125 15 618

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: NEW RECRUITS WORKING ON THIS. It appears that Samples 20 & 21 appear to be inverted.

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LBØ8

UTC DATE y/m/d: 99 06 30
CAST NUMBER: 8

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									
1	25	1106	1.526	144	B-10	✓		X												
2	26	1110	1.619		125	✓		X												
3	27	1114	2.062		100	✓		X												
4	28	1119	2.654		75	✓		X												
5	29	1126	3.518		50	✓		X												
6	30	1128	NO SAMPLE		20	✓		X												
7	31	1130	4.050		20	✓		X												
8	32	1132	5.496		10	✓		X												
9	33	1133	8.158		0			X												
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 153

Cast # down: 8
Cast # up: 8

Time	LOC	UTC
Begin:		1237
Bottom:		1240
End:		

START POSITION (GPS)
LAT: 43 25 21
LONG: 125 28 84

BOTTOM POSITION (GPS)
LAT: 43 25 20
LONG: 125 28 86

END POSITION (GPS)
LAT:
LONG:

Comments: BOT 6 HUNG UP NO SAMPLE

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LB09

UTC DATE y/m/d: 1999/06/30
CAST NUMBER: 9

SHIP: Tully

99280008
99280008
99280009
↓

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	34	1134	1.599	140	B-10	✓												
* 2	35	1135	1.717		125	✓												
3	36	1136	1.976		100	✓												
4	37	1137	2.860		75	✓												
5	38	1138	3.513		50	✓												
6	39	1141	3.734		130	✓												
7	40	1142	4.236		20	✓												
8	41	1144	6.399		10	✓												
9	42	1146	6.848		0					✓								
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 9
Cast # up: 9

Time LOC UTC
Begin: 133
Bottom:
End:

START POSITION (GPS)
LAT: 48 22 03
LONG: 125 34 06

BOTTOM POSITION (GPS)
LAT: 48 22 05
LONG: 125 34 07

END POSITION (GPS)
LAT: 48
LONG: 125

Comments:
* NOTE: FLASKS # 34 and 35 are in FILE 99280008. FORGOT TO CHANGE FILE NUMBER.
ADD THESE TO FILE 99280009. Rick T.

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LB11

UTC DATE y/m/d: 99/06/30
CAST NUMBER: 11

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						
1	43	84	2.181	B-5	196													
2	44	255	2.191	200	196													
3	45	333	2.452	175	175													
4	46	337	2.611	150	149													
5	47	364	2.745	125	125													
6	48	392	3.204	100	100													
7	49	425	5.933	75	75													
8	50	443	6.169	50	49													
9	51	467	??	30	30		*computer program crashed - cause unknown!										146.09	
10	52	486	6.010	20	20													
11	53	509	6.532	10	10													
12	54	534	6.482	0														
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 207

Cast # down: 11
Cast # up:

Time	LOC	UTC
Begin:	1521	UTC
Bottom:		
End:	1539	UTC

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48 15.19
LONG: 125 47.54

Comments: Sample 51 - Autoxy program crashed and sample 51 final value was not saved or possibly even determined. Titration values for Sodium Dosimat → 1.024 mL; Computer = 1.022 mL to 99.5% transmittance. Thiosulphate volume was 0.002 mL fewer on computer than the Dosimat.
* Restarted program & continued in file 9928011. oxy for final 3 samples (52, 53, 54).

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/06/30

STATION NAME:

LB12

CAST NUMBER:

12

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								
1	55	535	0.799	B-5	497				↑											
2	56	572	1.102	400	400															
3	57	578	1.464	300	300															
4	58	588	1.945	250	250															
5	59	597	2.294	200	200															
6	60	632	2.384	175	174															
7	61	638	2.533	150	150															
8	62	641	2.729	125	124															
9	63	650	4.513	100	98															
10	64	657	6.293	75	75															
11	65	695	7.032	50	50															
12	66	697	6.918	30	30															
13	67	707	6.783	20	19															
14	68	708	6.527	10	10															
15	69	709	6.536	0	0.7				↓											
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

ENTERED BY:

J Spear

CHECKED BY:

Bottom Depth:

508

Cast # down:

Cast # up:

Time LOC

UTC

Begin:

1624

Bottom:

End:

1650

START POSITION (GPS)

LAT: 4812.96

LONG: 12551.91

BOTTOM POSITION (GPS)

LAT: 12.97

LONG: 51.85

END POSITION (GPS)

LAT: 12.97

LONG: 51.67

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LB14

UTC DATE y/m/d: 99/06/30
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							
1	70	724	0.390	B-5	1174			X										
2	71	727	0.302	1000	1000		X	X										
3	72	730	0.204	800	801			X										
4	73	735	0.491	600	597		X	X										
5	74	732	0.771	500	500			X										
6	75	734	X	400	400			X										
7	76	1045	1.794	300	300		X	X										
8	77	1062	2.145	250	250			X										
9	78	1090	2.458	200	200		X	X										
10	79	1103	2.484	175	175			X										
11	80	1104	2.490	150	150			X										
12	81	1105	2.603	125	125			X										
13	82	1106	3.033	100	100			X										
14	83	1110	5.798	75	75			X										
15	84	1114	6.396	50	50			X										
16	85	1119	6.924	30	30			X										
17	86	1126	7.075	20	20			X										
18	87	1128	6.503	10	10			X										
19	88	1130	6.471	0	0			X										
20																		
21																		
22																		
23																		
24																		

ENTERED BY: RET
CHECKED BY:

Bottom Depth: 1185

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		18:56
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 08 525
LONG: 126 00 222

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: Bottle # 6 was empty

ROSETTE LOG

MISSION ID:
STATION NAME: LB16

UTC DATE y/m/d: 1999/07/01
CAST NUMBER: 17/18

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						
1	89	1148	3.724		100	✓ 1.950		X	X	X								
2	90	1153	6.423		57.4			X	X	X								
3	91	1154	6.796		43.7			X	X	X								
4	92	1158	7.014		33			X	X	X								
5	93	1168	6.944		24.7			X	X	X								
6	94	1171	6.621		19.3			X	X	X								
7	95	1174	6.492		SFC													
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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21																		
22																		
23																		
24																		

ENTERED BY: BRAD BEATH
CHECKED BY:

Bottom Depth: 1816 m

Cast # down: 17
Cast # up: 18

Time	LOC	UTC
Begin:	<u>00:15</u>	<u>UTC</u>
Bottom:	<u>00:20</u>	<u>UTC</u>
End:	<u>00:52</u>	<u>UTC</u>

START POSITION (GPS)
LAT: 48 00.66
LONG: 126 17.05

BOTTOM POSITION (GPS)
LAT: 48 00.50
LONG: 126 17.10

END POSITION (GPS)
LAT: 48 00.693
LONG: 126 17.305

Comments:

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

1999/07/01

STATION NAME:

Lw 11

CAST NUMBER:

20

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							
*1	95	724	0.360	1000	1000													
2	96	727	0.302	800	799													
3	97	730	0.522	600	601													
*4	98	735	2.084	500	501													
neg. # → 5	99	732	1.089	400	400													
6	100	734	1.726	300	299													
7	101	1045	1.996	250	249													
8	102	1062	2.300	200	200													
9	103	1090	2.338	175	175													
10	104	1103	2.434	150	150													
11	105	1104	2.696	125	124													
12	106	1105	3.534	100	100													
13	107	1106	6.638	75	75													
14	108	1110	6.490	50	50													
15	109	1114	6.872	30	30													
16	110	1146	6.771	20	20													
17	111	1126	6.393	10	10													
18	112	1128	6.344	0														
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 1035

Cast # down: 20

Cast # up: 20

Time	LOC	UTC
Begin:		0414
Bottom:		0427
End:		0459

START POSITION (GPS)

LAT: 48 00.02

LONG: 125 45.02

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 00 02

LONG: 44 95

Comments:

* Program crashed 2X @ start due to "Bad filename", so used 9928020a.oxy.

* Titration curve ended with vertical line !? Sample 98

Auto OXY crashed again & then repeatedly after rebooting the computer. Used new filename 9928020b.oxy for samples 100+.

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LW10

UTC DATE y/m/d: 99 07 01
CAST NUMBER: 21

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						
* 1	113	1130	7.269	B-5	187	1.536		✓										
2	114	1132	1.588	175	177			✓										
3	115	1133	2.414	150	150			✓										
4	116	1134	2.726	125	125			✓										
5	117	1135	3.232	100	101			✓										
6	118			75	75	No Sample												
7	119	1137	6.768	50	50			✓										
8	120	1138	7.001	30	29			✓										
⊗ 9	121	1141	8.229	20	20	6.796		✓										
10	122	1142	6.582	10	10			✓										
11	123	1144	6.494	0				✓										
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 195m

Cast # down: 21
Cast # up: 21

Time	LOC	UTC
Begin:		0620
Bottom:		0623
End:		0637

START POSITION (GPS)
LAT: 47 59.96
LONG: 125 34.94

BOTTOM POSITION (GPS)
LAT: 59.97
LONG: 34.98

END POSITION (GPS)
LAT: 47 59.97
LONG: 125 35.04

Comments: * Vertical line @ endpoint → see reverse
⊗ Vertical line occurred on finer-scaled line.

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LW109

UTC DATE y/m/d: 99/07/01
CAST NUMBER: 23

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						
1	124	1258	1.962	B-5	156			X										
2	125	1160	2.499	150	147			X										
3	126	1261	2.649	125	125			X										
4	127	1264	3.268	100	100			X										
5	128	1267	5.918	75	75			X										
6	129	1268	6.815	50	50			X										
7	130	1269	6.603	30	30			X										
8	131	1270	6.791	20	20			X										
9	132	1271	6.639	10	10			X										
10	133	1272	6.518	0	0			X										
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: RTR
CHECKED BY: 1

Bottom Depth: 161

Cast # down:
Cast # up:

Time LOC UTC
Begin: 0725
Bottom:
End:

START POSITION (GPS)
LAT: 47 59 97
LONG: 125 25.964

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Sample numbers 124, 125 were reversed in box. 125 was first, then 124.

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LW07UTC DATE y/m/d: 99/07/01
CAST NUMBER: 25SHIP: 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								
1	134	1275	0.482	Bot - 5	631										
2	135	1276	0.617	600	601										
3	136	1277	0.813	500	501										
4	137	1278	0.976	400	401										
5	138	1279	1.427	300	300										
6	139	1280	1.670	250	250										
7	140	1281	1.742	200	201										
8	141	1249	1.829	175	175										
9	142	1251	1.987	150	150										
10	143	1252	2.205	125	125										
11	144	1254	2.769	100	100										
12	145	1256	4.566	75	73										
13	146	1257	6.136	50	50										
14	147	1241	5.990	30	30										
15	148	1243	6.560	20	20										
16	149	1244	6.584	10	10										
17	150	1246	6.584	0	0										
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: RET
CHECKED BY:Bottom Depth: 636

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0850
Bottom:		
End:		

START POSITION (GPS)		
LAT:	47	59 970
LONG:	125	21 990

BOTTOM POSITION (GPS)		
LAT:		
LONG:		

END POSITION (GPS)		
LAT:		
LONG:		

Comments:

#145 had a small air pocket prior to acidifying.

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LW05UTC DATE y/m/d: 99/07/01
CAST NUMBER: 27SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp. m/l/L	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	151	1212	1.984	150	151			X										
2	152	1215	1.961	125	126			X										
3	153	1216	2.444	100	100			X										
4	154	1218	3.258	75	75			X										
5	155	1219	5.899	50	50			X										
6	156	1222	5.843	30	29			X										
7	157	1223	6.135	20	20			X										
8	158	1224	6.561	10	10			X										
9	159	1225	6.555	0	0			X										
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: BRAD BEATH
CHECKED BY:Bottom Depth: 162Cast # down: 27Cast # up: 27

Time	LOC	UTC
Begin:		10:48
Bottom:		10:54
End:		

START POSITION (GPS)		
LAT:	47 59	981
LONG:	125 14	892

BOTTOM POSITION (GPS)		
LAT:	48 00	.013
LONG:	125 15	.024

END POSITION (GPS)		
LAT:	48 00	.054
LONG:	125 14	.985

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LWP3

UTC DATE y/m/d: 990701
CAST NUMBER: 29

SHIP: J.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								

1	160	1233	2.411	75		✓			X						
2	161	1230	3.001	50		✓			X						
3	162	1231	3.599	30		✓			X						
4	163	1228	4.261	20		✓			X						
5	164	1247	6.767	10		✓			X						
6	165	1248	7.184	0		✓			X						
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:
CHECKED BY:

Bottom Depth: 87

Cast # down: 29

Cast # up: 29

Time	LOC	UTC
Begin:		1250
Bottom:		1252
End:		1255

START POSITION (GPS)
LAT: 47 59.978
LONG: 124 55.095

BOTTOM POSITION (GPS)
LAT: 47 59 97
LONG: 124 55 08

END POSITION (GPS)
LAT: 47 59 95
LONG: 124 55 06

Comments:

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LW 02

UTC DATE y/m/d: 1999/07/01
CAST NUMBER: 30

SHIP: J A 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	166	1148	3.161	45		✓												
2	167	1153	3.755	30		✓												
3	168	1154	5.410	20		✓												
4	169	1158	7.008	10		✓												
5	170	1168	6.974	0		✓												
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: 52

Cast # down: 30
Cast # up: 30

Time	LOC	UTC
Begin:		1329
Bottom:		1330
End:		1335

START POSITION (GPS)
LAT: 48 00 01
LONG: 124 49 15

BOTTOM POSITION (GPS)
LAT: 48 00 00
LONG: 124 49 16

END POSITION (GPS)
LAT: 48 00 00
LONG: 124 50 01

Comments:

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

1999/07/01

STATION NAME:

LW 01

CAST NUMBER:

31

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		C13						
1	171	1174	2.675	25		✓												
2	172	1175	2.869	20		✓												
3	173	1176	6.397	10		✓												
4	174	1177	6.723	0		✓												
5																		
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: 33

Cast # down: 31

Cast # up: 31

Time	LOC	UTC
Begin:		1406
Bottom:		1409
End:		1411

START POSITION (GPS)		
LAT:	47 59	95
LONG:	124 45	03

BOTTOM POSITION (GPS)		
LAT:	47 59	96
LONG:	124 45	04

END POSITION (GPS)		
LAT:	47 59	97
LONG:	124 45	05

Comments:

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/07/01

SHIP:

Tully

STATION NAME:

LA04

CAST NUMBER:

32

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	175	1258	1.849	B-5	181													
2	176	1260	1.682	175	175													
3	177	1261	1.629	150	150.													
4	178	1264	1.617	125	125													
5	179	1267	1.731	100	100													
6	180	1268	1.809	75	75													
7	181	1269	1.933	50	50													
8	182	1270	2.961	30	30													
9	183	1271	3.939	20	20													
10	184	1272	6.343	10	9													
11	185	1273	6.273	0	0.8													
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

RET

CHECKED BY:

Bottom Depth:

191

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

1651

Bottom:

1654

End:

1708

START POSITION (GPS)

LAT:

49 19.35

LONG:

125 04.20

BOTTOM POSITION (GPS)

LAT:

49 19.33

LONG:

125 04.16

END POSITION (GPS)

LAT:

49 19.41

LONG:

125 04.32

Comments:

OFF ENTRANCE TO Juan de Fuca Strait

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LCØ1UTC DATE y/m/d: _____
CAST NUMBER: 33SHIP: 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	186	1274	2.676	Bot-5	90				X	✓									
2	187	1275	3.099	75	75				X	✓									
3	188	1276	3.496	50	50				X	✓	✓								
4	189	1277	4.093	30	30				X	✓	✓								
5	190	1278	4.331	20	20				X	✓	✓								
6	191	1279	6.084	10	10				X	✓	✓								
7	192	1280	7.289	0	0				X	✓	✓								
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY: RET
CHECKED BY: _____Bottom Depth: 95

Cast # down: _____

Cast # up: _____

Time	LOC	UTC
Begin:		20.34
Bottom:		
End:		

START POSITION (GPS)		
LAT:	48 50	480
LONG:	125 27	813

BOTTOM POSITION (GPS)		
LAT:		
LONG:		

END POSITION (GPS)		
LAT:	48	
LONG:		

Comments:

OUT OF ORDER! 186, 187, 191, 188, 190, 189, 192. values seem to be correct.

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LC 02

UTC DATE y/m/d:

CAST NUMBER:

SHIP: Tully

ENTERED BY: RET
CHECKED BY: _____

Bottom Depth: 110

Cast # down: 5

Cast # up:

Time	LOC	UTC
Begin:		2105
Bottom:		
End:		

START POSITION (GPS)	
LAT:	48 48.716
LONG:	125 30.951

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)
LAT:
LONG:

[illegible]

Comments:

Note Gloves not worn when drawing Nutrients

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LC 09UTC DATE y/m/d: 99 07 01
CAST NUMBER: 36SHIP: TULYNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken													
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO	TAH	PRD					
		OXY		CHL		C13									
1	200	1212	2.710	164				X	X						
2	201	1215	2.816	150				X	X						
3	202	1216	3.032	125				X	X						
4	203	1218	3.087	100				X	X						
5	204	1219	3.462	75				X	X						
6	205	1222	3.352	50				X	X						
7	206	1223	3.495	41	1%			X	X	✓			✓	✓	
8	207	1224	3.604	33.5	3%			X	X	✓				✓	
9	208	1225	4.231	17.7	10%			X	X	✓				✓	
10	209	1234	6.355	8.1	30%			X	X	✓				✓	
11	210	1235	6.375	5.0	For Ruben			✓	✓	✓					
12	211	1237	6.108	6.0	55%			✓	✓	✓				✓	
13	*212	1238	6.914	5.5	100%			✓	✓	✓			✓	✓	
14	213	1240	6.084	SFC				✓	✓						
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: RET
CHECKED BY: 1Bottom Depth: 164Cast # down: 2100Cast # up: 1

Time	LOC	UTC
Begin:		<u>2300</u>
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 43.03
LONG: 125 40.97BOTTOM POSITION (GPS)
LAT: 48 43.03
LONG: 125 40.97END POSITION (GPS)
LAT: 48 43.03
LONG: 125 40.97

Comments:

OUT OF ORDER: 200, 201, 202, 205, 204, 203, 206, → OK.
* NOT FULL / Small air gap. Air bubbles on side.

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

JULY 2/99

STATION NAME:

LC06

CAST NUMBER:

39

SHIP:

TULLY

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

ROSETTE OPERATION	
Trip pressure	Confirmed Salinity

Samples taken									
SAL	✓	NUT	✓	ALK	TCO				
	OXY	✓	CHL		C13				

1	220	1148	2.201	B-10	86	✓			✓										
2	221	1153	3.167	75		✓			✓										
3	222	1154	4.446	50		✓			✓	✓									
4	223	1158	4.785	30		✓			✓	✓									
5	224	1168	5.728	20		✓			✓	✓									
6	225	1171	6.534	10		✓			✓	✓									
7	226	1174	6.542	0		✓			✓	✓									
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:

CHECKED BY:

Bottom Depth:

93

Cast # down:

39

Cast # up:

39

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

Begin:

0200

Bottom:

End:

START POSITION (GPS)

LAT: 48 36.40

LONG: 125 53.98

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:**STATION NAME:**

UTC DATE y/m/d:

CAST NUMBER:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

0259

Bottom:

0301

End:

310

START POSITION (GPS)

LAT:

4832.93

LONG:

126 00.50

BOTTOM POSITION (GPS)

LAT:

32.92

LONG:

00.49

END POSITION (GPS)

LAT:

32.93

LONG:

00.55

Comments:

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/07/02

SHIP:

Tully

STATION NAME:

LC08

CAST NUMBER:

41

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		1/2				
1	235	1175	1.753	B-5	199													
2	236	1197	1.989	175	173													
3	237	1198	2.423	150	150													
4	238	1201	2.561	125	125													
5	239	1202	3.044	100	101													
6	240	1203	4.115	75	75													
7	241	1204	6.452	50	50													
8	242	1206	5.614	30	30													
9	243	1209	6.474	20	20													
10	244	1210	6.482	10														
11	245	1177	6.552	0														
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 200

Cast # down:

Cast # up:

Time LOC UTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 29.92

LONG: 126 07.12

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/07/02

STATION NAME:

LC09

CAST NUMBER:

42

SHIP:

Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		CHL	CHL	C13	TCO				
1	246	84	0.439	B-5	612													
2	247	255	-1.822	500	500													
3	248	333	0.985	400	400													
4	249	337	1.542	300	300													
5	250	364	1.887	250	249													
6	251	392	1.288	200	200													
7	252	425	2.394	175	175													
8	253	443	2.558	150	150													
9	254	467	2.833	125	125													
10	255	486	3.490	100	100													
11	256	509	6.379	75	76													
12	257	534	7.111	50	49													
13	258	535	6.890	30	30													
14	259	572	6.842	20	20													
15	260	578	6.526	10	9													
16	261	588	6.540	0	14										X			
17	262	597	5.866	5	5.3										X			
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

615

Cast # down:

615

Cast # up:

Time LOC UTC

Begin:

Bottom: 0508

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 4825.93'

LONG: 126 13.70

END POSITION (GPS)

LAT: 25.97

LONG: 13.73

recal

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LC11

UTC DATE y/m/d: 99
CAST NUMBER: 46

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO	TAX				
								OXY		CHL		C13		✓				
1	263	638	0.690	13-10	1446													
2	264	641	0.988	1200	1200		x											
3	265	632	0.344	1000	1000		x											
4	266	650	0.318	800	800		x											
5	267	657	0.442	600	601													
6	268	695	0.859	500	500		x											
7	269	697	1.291	400	400													
8	270	707	1.959	300	296		x											
9	271	708	2.310	250	250													
10	272	709	2.835	200	200													
11	273	712	3.194	175	174													
12	274	713	3.204	150	150													
13	275	715	3.373	125	125													
14	276	1212	4.079	100	99													
15	277	1215	8.015	75	76													
16	278	1216	6.645	50	50					✓								
17	279	1218	7.003	30	30					✓								
18	280	1219	6.430	20	20					✓								
19	281	1222	6.328	10	10		x			✓								
20	282	1223	6.373	0	0					✓				✓				
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 1467

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0819
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 18 947
LONG: 126 26 720

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: BOTTLES 277-282 were in a separate box [John & Reg & Lauren & Alice]
The subsurface max at 75m could be real — or bottles put in box in reverse order!
Wind mixing winds 20 knots+.

Rosette Log

CRUISE ID: 9928
STATION NAME: LC12

UTC DATE y/m/d: 99/07/02
CAST NO.: 47

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Temperature or Pressure	
					Trip pressure	Confirmed Salinity	CFC		TCO		ALK		SAL		POC		Serial #	°C / dbar
1	283			5														
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 2545

Cast # down:
Cast # up:

Time L0C UTC
Begin: 1041
Bottom:
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/07/02

STATION NAME:

LE08

CAST NUMBER:

51

SHIP:

tully

Niskin
No.Sample
No.OXY.
FlaskOXY.
Temp.Sample
Depth

ROSETTE OPERATION

Trip
pressureConfirmed
SalinitySAL
OXYNUT
CHL

Samples taken

ALK
C13

TCO

1	283	084	0.406	1200	1198														
2	284	255	0.314	1000	1000														
3	285	333	0.273	800	801														
4	286	337	0.419	600	602														
5	287	364	1.026	400	401														
6	288	392	2.448	200	200														
7	289	425	2.513	175	175														
8	290	443	2.619	150	150														
9	291	467	2.799	125	125														
10	292	486	3.916	100	100														
11	293	509	4.713	90	90														
12	294	534	5.559	80	80														
13	295	535	6.473	70	70														
14	296	572	6.776	60	60														
15	297	578	6.905	50	50														
16	298	588	6.910	40	40														
17	299	597	6.981	30	30														
18	300	638	6.431	20	20														
19	301	641	6.436	10	10														
20	302	632	6.438	0	10														
21																			
22																			
23																			
24																			

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 1311

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1651

Bottom: 1711

End: 1750

START POSITION (GPS)

LAT: 48 40.328

LONG: 126 38.159

BOTTOM POSITION (GPS)

LAT: 48 40.37

LONG: 126 38.25

END POSITION (GPS)

LAT: 48 40.40

LONG: 126 38.24

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LE07

UTC DATE y/m/d: 99/07/02
CAST NUMBER: 52

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	303	1153	6.771	B-5	520				4									
2	304	1148	1.172	400	398													
3	305	1158	1.648	300	300													
4	306	1154	2.238	200	199													
5	307	1168	2.369	175	174													
6	308	1171	2.558	150	150													
7	309	1174	2.565	125	125													
8	310	1188	2.898	100	99													
9	311	1189	3.296	80	80													
10	312	1190	6.268	70	70													
11	313	1191	5.743	60	59													
12	314	1192	5.636	50	50													
13	315	1193	5.649	40	40													
14	316	1198	6.539	30	30													
15	317	1195	6.556	10	10													
16	318	1176	6.556	0	0													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 529

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1840
Bottom:		1851
End:		

START POSITION (GPS)
LAT: 48 44.25
LONG: 126 32.17

BOTTOM POSITION (GPS)
LAT: 48° 44.34
LONG: 126° 32.10

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99 07 02

STATION NAME:

LE06

CAST NUMBER:

53

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						
1	319	1180	1.846	200	200			X										
2	320	1196	1.908	175	175			X										
3	321	1197	2.305	150	150			X										
4	322	1175	2.972	100	99.4			X										
5	323	1201	3.283	180	79			X										
6	324	1194	3.699	70	70			X										
7	325	1203	4.159	60	60			X										
8	326	1202	5.696	50	50			X										
9	327	1204	5.540	30	30			X										
10	328	1206	6.189	20	20			X										
11	329	1210	6.461	10	0			X										
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

TL

CHECKED BY:

Bottom Depth:

210

Cast # down:

53

Cast # up:

53

Time

LOC

UTC

Begin:

19:57

Bottom:

End:

START POSITION (GPS)

LAT: 48 48 484

LONG: 126 26 192

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LE05UTC DATE y/m/d: 99 07 02
CAST NUMBER: 54SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	☒ OXY	NUT	ALK	TCO							
1	329A	1212	2.148	Bot 150	143													
2	330	1215	1.913	125	125													
3	331	1216	2.078	100	100													
4	332	1218	2.733	75	75													
5	333	1219	2.882	65	65													
6	334	1222	3.479	50	50													
7	335	1223	4.964	30	30													
8	336	1224	6.166	20	20													
9	337	1225	6.490	10	10													
*10	338	1234	6.435	0	1.5													
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 159

Cast # down:

Cast # up:

Time LOC UTC

Begin:

Bottom: 2108

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 52.825LONG: 126 20.325

END POSITION (GPS)

LAT:

LONG:

Comments:

* Precipitate = very flaky ; added more acid to dissolve

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LE04

UTC DATE y/m/d: 99/07/02
CAST NUMBER: 55

SHIP: tuluy

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	339	1237	1.666	Bott-10	116			✓												
2	340	1235	1.596	100	100			✓												
3	341	1240	2.379	75	75			✓												
4	342	1248	3.843	50	50			✓												
5	343	1233	4.449	30	30			✓												
6	344	1230	5.937	20	20			✓												
7	345	1231	6.761	10	10			✓												
8	346	1238	6.766	0				✓												
9																				
10																				
11																				
12																				
13																				
14																				
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22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 123

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		22:05
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 56 512
LONG: 126 15 091

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LEP3UTC DATE y/m/d: 99/07/02
CAST NUMBER: 56SHIP: Tuey

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	347	1142	3.172	74		✓		×												
2	348	727	3.166	50		✓		×												
3	349	730	3.796	30		✓		×												
4	350	735	5.517	20		✓		×												
5	351	732	6.606	10		✓		×												
6	352	734	6.585	0		✓		×												
7																				
8																				
9																				
10																				
11																				
12																				
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23																				
24																				

ENTERED BY:
CHECKED BY:Bottom Depth: 79Cast # down: 56Cast # up: 56

Time	LOC	UTC
Begin:		2258
Bottom:		2300
End:		2306

START POSITION (GPS)		
LAT:	49 00	53
LONG:	126 10	60

BOTTOM POSITION (GPS)		
LAT:	49 00	54
LONG:	126 10	61

END POSITION (GPS)		
LAT:	49 00	57
LONG:	126 10	62

Comments:

★ Sample 347 - flask had crack in it + started leaking. Quickly transferred to new flask (after acid added). Lost some volume such that glass stopper did not expel air, so added extra mL of acid.

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LEØ2

UTC DATE y/m/d: 99/07/02
CAST NUMBER: 57

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						
1	353	1045	3.509	Bot-5	50	✓		X										
2	354	1062	3.528	30		✓		X										
3	355	1090	4.261	20		✓		X										
4	356	1103	5.193	10		✓		X										
5	357	1104	6.109	0		✓		X										
6																		
7																		
8																		
9																		
10																		
11																		
12																		
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22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 58

Cast # down: 57
Cast # up: 57

Time	LOC	UTC
Begin:		2350
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 04 34
LONG: 126 04 49

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LEP1UTC DATE y/m/d: 990703
CAST NUMBER: 58SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	☒	NUT	ALK	TCO							
1	358	1105	3.633		40	✓		X										
2	359	1106	3.634		30	✓		X										
3	360	1110	3.719		20	✓		X										
4	361	1114	4.657		10	✓		X										
5	362	1146	5.744		0	✓		X										
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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22																		
23																		
24																		

ENTERED BY:
CHECKED BY:Bottom Depth: 46Cast # down: 58
Cast # up: 58

Time	LOC	UTC
Begin:		<u>0030</u>
Bottom:		<u>0032</u>
End:		<u>0036</u>

START POSITION (GPS)		
LAT:	<u>49 07</u>	<u>03</u>
LONG:	<u>126 00</u>	<u>95</u>

BOTTOM POSITION (GPS)		
LAT:	<u>49 07</u>	<u>04</u>
LONG:	<u>126 00</u>	<u>96</u>

END POSITION (GPS)		
LAT:	<u>49 07</u>	<u>04</u>
LONG:	<u>126 00</u>	<u>95</u>

Comments:

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LG01

UTC DATE y/m/d: 99/07/03
CAST NUMBER: 61

SHIP: Tully

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

ROSETTE OPERATION		Samples taken											
Trip pressure	Confirmed Salinity	SAL		NUT		AM		TCO					
			OXY		CHL	Ph	CI3						

1	363	534	3.617	B-5	50														
2	364	255	3.798	30	30														
3	365	333	4.438	20	20														
4	366	364	6.761	10	9														
5	367	392	7.071	0	1m														
6																			
7																			
8																			
9																			
10																			
11																			
12																			
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21																			
22																			
23																			
24																			

ENTERED BY:
CHECKED BY:

Bottom Depth: 53

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0400
Bottom:		0403
End:		0408

START POSITION (GPS)
LAT: 4920.51
LONG: 12635.03

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 49 20 53
LONG: 126 35.00

Comments:

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/07/03

STATION NAME:

LG02

CAST NUMBER:

63

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ATK		TCO					
							OXY		CHL	Ph	C13							
1	368	337	2.152	B-5	92													
2	369	443	3.147	75	73													
3	370	425	4.823	50	49													
*4	371	467	3.625	30	30													
5	372	486	4.233	20	20													
6	373	509	6.023	10	10													
7	374	84	7.069	0	Sfc													
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 100

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0449
Bottom:		
End:		0459

START POSITION (GPS)		
LAT:		49 18.67
LONG:		126 38.14

BOTTOM POSITION (GPS)		
LAT:		
LONG:		

END POSITION (GPS)		
LAT:		49 18.68
LONG:		126 38.10

Comments: *NO.4. First titration/dispenser not in beaker, ACID was going into Pyrex Beaker of Mill. pure water.

OK.

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LG03

UTC DATE y/m/d: 99/07/03
CAST NUMBER: 65

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						
1	375	1126	1.947	B-5	100												127.95	
2	376	1128	3.46	75	75												127.29	
3	377	1130	3.463	50	49												129.87	
4	378	1132	4.675	30	30												127.27	
5	379	1133	5.461	20	20												129.19	
6	380	1134	6.736	10	10												129.80	
7	381	1135	6.737	5	5												127.53	
8	382	1136	6.749	0													129.20	
9																		
10																		
11																		
12																		
13																		
14																		
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16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: R-T
CHECKED BY:

Bottom Depth: 126

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		604
Bottom:		607
End:		616

START POSITION (GPS)
LAT: 49 15.02
LONG: 126 43.68

BOTTOM POSITION (GPS)
LAT: 49 15.04
LONG: 126 43.67

END POSITION (GPS)
LAT: 49 15.02
LONG: 126 43.69

Comments: PRODUCTIVITY STATION. No nutrients, Chlorophyll, surface prod, Bongo + Neuston.

done

ROSETTE LOG

MISSION ID:

STATION NAME:

UTC DATE y/m/d:

CAST NUMBER:**SHIP:**

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

0733

Bottom:

End:

START POSITION (GPS)

LAT: 49

11 305

LONG: 126

49 381

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LG 06

UTC DATE y/m/d: 99 07 03
CAST NUMBER: 70

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		TAY						
1	392	1153	0.258	800	800			X	X											
2	393	1148	0.377	600	600			X	X											
3	394	1158	0.587	500	500			X	X											
4	395	1154	0.950	400	400			X	X											
5	396	1168	1.388	300	300			X	X											
6	397	1171	1.728	250	250			X	X											
7	398	1174	2.111	200	200			X	X											
8	399	1188	2.222	175	175			X	X											
9	400	1189	2.446	150	150			X	X											
10	401	1190	2.786	125	125			X	X											
11	402	1191	2.843	100	100			X	X											
12	403	1192	4.315	75	75			X	X											
13	404	1193	6.351	50	50			X	X	X										
14	405	1198	5.073	30	28			X	X	X										
15	406	1195	6.222	20	20			X	X	X										
16	407	1180	6.564	10	10			X	X	X										
17	408	1196	6.599	0				X	X	X				X						
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 959

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0927
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 03 480
LONG: 127 01 169

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

Done

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LG07UTC DATE y/m/d: 99 07 03
CAST NUMBER: 71SHIP: 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		TAY		PROD		
1	408	1264	1.154	Bot-10	1769	✓		✓	X									
2	409	1260	0.685	1500		✓		✓	X									
3	410	1269	0.334	1200		✓		✓	X									
4	411	1273	0.332	1000		✓		✓	X									
5	412	1270	0.231	800		✓		✓	X									
6	413	1267	0.445	600		✓		✓	X									
→ 7	414	1261	1.854	500	.587	✓		✓	X									
8	415	1258	0.966	400		✓		✓	X									
9	416	1271	1.547	300		✓		✓	X									
10	417	1272	1.873	250		✓		✓	X									
11	418	1274	2.302	200		✓		✓	X									
12	419	1268	2.409	175		✓		✓	X									
13	420	1275	2.539	150		✓		✓	X									
14	421	1249	2.629	125		✓		✓	X									
15	422	1277	3.132	100		✓		✓	X									
16	423	1278	5.382	75		✓		✓	X									
17	424	1279	6.205	50		✓		✓	X	X				X		X		
18	425	1280	6.699	30		✓		✓	X	X	X					X		
19	426	1276	6.572	20		✓		✓	X	X	X					X		
20	427	1281	6.713	10		✓		✓	X	X	X					X		
21	428	1251	6.478	5		✓		✓	X	X	X					X		
22	429	1252	6.422	0		✓		✓	X	X	X			X		XX		
23																		
24																		

Comments:

→ Got straight vertical line @ end of titration graph. % transmittance went up to 100.5% + then plummeted.

ENTERED BY:
CHECKED BY:Bottom Depth: 1776

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1057
Bottom:		1125
End:		

START POSITION (GPS)		
LAT:	48 59	397
LONG:	127 07	173

BOTTOM POSITION (GPS)		
LAT:	48 59	415
LONG:	127 00	181

END POSITION (GPS)		
LAT:		
LONG:		

done

ROSETTE LOG

MISSION ID: 9928
STATION NAME: ER01UTC DATE y/m/d: 99/07/04
CAST NUMBER: 776

SHIP: Tully

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. DepthROSETTE OPERATION
Trip Confirmed
pressure SalinitySamples taken
SAL OXY NUT CHL ALK C13 TCO VWS HAA

1	430			B-10	2180														
2	431			2160	2160														
3	432			2130	2130														
4	433			2090	2090														
5	434			2040	2040														
6	435			2020	2020														
7	436			2010	2010														
8	437			2000	2000														
9	438			1970	1970														
10	439			1940	1940														
11	440			1910	1908														
12	441			1890	1892														
13	442			1880	1880														
14	443			1800	1800														
15	444			1750	1750														
16	445			1700	1700														
17	446			1600	1599														
18	447			1000	1000														
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 2180

Cast # down: 75

Cast # up: 76

Time LOC UTC

Begin: 3:27

Bottom: 4:12

End: 5:16

START POSITION (GPS)

LAT: 47° 57' 51.0"

LONG: 129° 05' 55.2"

BOTTOM POSITION (GPS)

LAT: 47° 57' 51.1"

LONG: 129° 05' 55.3"

END POSITION (GPS)

LAT: 47° 57' 52.1"

LONG: 129° 05' 53.3"

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/07/04

SHIP:

Tully

STATION NAME:

ER 02

CAST NUMBER:

77

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	Vir	rus						
1	448	1153	1.795	2220	2220			✓					✓					
2	449	1148	1.618	2090	2092			✓					✓					
3	450	1158	1.627	2070	2072			✓					✓					
4	451	1154	1.687	2060	2062			✓					✓					
5	452	1168	1.627	2055	2057			✓					✓					
6	453	1197	1.603	2045	2048			✓					✓					
7	454	1171	1.561	2035	2035			✓					✓					
8	455	1174	1.540	2000	2000			✓					✓					
9	456	1188	1.537	1990	1994			✓					✓					
10	457	1189	1.660	1985	1980			✓					✓					
11	458	1190	1.555	1950	1959			✓					✓					
12	459	1191	1.569	1940	1937			✓					✓					
13	460	1193	1.438	1910	1906			✓					✓					
*14	461	1198	2.751	1885	1885	→0.512mL		✓					✓			1.497		
15	462	1195	1.454	1865	1865			✓					✓					
16	463	1180	1.409	1850	1850			✓					✓					
17	464	1209	1.421	1840	1839			✓					✓					
18	465	1192	1.365	1830	1830			✓					✓					
19	466	1175	1.313	1800	1800			✓					✓					
20	467	1201	1.188	1750	1750			✓					✓					
21	468	1194	1.109	1700	1700			✓					✓					
22	469	1203	0.969	1600	1598			✓					✓					
23	470				4.8													
24																		

Comments:

1 km @ 200° from ER 01

* Vertical line @ 100.3% transmittance.

ENTERED BY:

CHECKED BY:

Bottom Depth: 2223

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0608

Bottom: 0639

End:

START POSITION (GPS)

LAT: 47 57 006

LONG: 129 05.789

BOTTOM POSITION (GPS)

LAT: 47 57 789

LONG: 129 05 719

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/07/04

STATION NAME:

ER03

CAST NUMBER:

79

SHIP: Tully

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

ROSETTE OPERATION

Trip Confirmed
pressure Salinity

Samples taken

SAL OXY NUT CHL ALK TCO C13

1	470			5	5														
2	471																		
3	472																		
4	473																		
5	474																		
6	475																		
7	476																		
8	477																		
9	478																		
10	479																		
11	480																		
12	481																		
13	482																		
14	483																		
15	484																		
16	485																		
17	486																		
18	487																		
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:

CHECKED BY:

Bottom Depth: 2440

Cast # down:

Cast # up:

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

Begin: 0855

Bottom: 0931

End: 1002

START POSITION (GPS)

LAT: 47 52.412

LONG: 129 08.174

BOTTOM POSITION (GPS)

LAT: 47 52 442

LONG: 129 08.264

END POSITION (GPS)

LAT: 47 52 549

LONG: 129 08 288

Comments:

Possible very weak plume but not strong enough to sample.
Surface sample collected for Ruben @ 5m.

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/07/04

SHIP:

tully

STATION NAME:

ER04.

CAST NUMBER:

80

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO	✓				
1	488			2345	2345									✓				
2	489			2245	2245									✓				
3	490			2100	2098									✓				
4	491			2050	2048									✓				
5	492			2000	2000									✓				
6	493			1950	1959									✓				
7	494			1940	1938									✓				
8	495			1920	1921									✓				
9	496			1900	1899									✓				
10	497			1850	1845									✓				
11	498			1800	1799									✓				
12	499			1700	1697									✓				
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

2425

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1022

Bottom: 1114

End: 1155

START POSITION (GPS)

LAT: 47 54.402

LONG: 129 12.101

BOTTOM POSITION (GPS)

LAT: 47 54.44

LONG: 129 12.12

END POSITION (GPS)

LAT: 47 54.43

LONG: 129 12.13

Comments:

Plume samples 10km from ER01 @ 2350

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LL03

UTC DATE y/m/d: 99/07/05
CAST NUMBER: 84

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						
1	500	1153	2.490	B-10	2328	✓												
2	501	1148	2.073	2200		✓												
3	502	1158	1.832	2180		✓												
4	503	1154	1.788	2160		✓												
5	504	1168	1.657	2140		✓												
6	505	1197	1.665	2120		✓												
7	506	1171	1.647	2100		✓												
8	507	1174	1.574	2050		✓												
9	508	1188	1.532	2000		✓												
10	509	1189	0.256	860		✓												
11	510	1190	0.257	840		✓												
12	511	1191	0.318	820		✓												
13	512	1193	0.256	800		✓												
14	513	1198	0.248	780	781	✓												
15	514	1195	0.315	760		✓												
16	515	1180	0.247	740	738	✓												
17	516	1209	0.766	500	499	✓												
18	517	1192	2.106	300	300	✓												
19	518	1175	2.311	200	200	✓												
20	519	1201	4.513	100	100	✓												
21	520	1194	5.479	50	50	✓												
22	521	1203	6.516	0	5fc													
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 2325

Cast # down: 1330
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 36.616
LONG: 128 22.719

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: *15: Volume gap below stoppers. Probably incorrect value. Too High

ROSETTE LOG

MISSION ID: 9928
STATION NAME: BP07

UTC DATE y/m/d: 99/07/05
CAST NUMBER: 86

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								
1	522	727	1.631	B-5	2250															
2	523	1142	0.733	1500	1499															
3	524	730	0.365	1200	1200															
4	525	735	0.268	1000	1003															
5	526	732	0.239	800	800															
6	527	734	0.264	750	751															
7	528	1045	0.278	700	699															
8	529	1062	0.814	500	500															
9	530	1090	2.044	300	300															
10	531	1103	2.052	250	250															
11	532	1104	2.266	200	199															
12	533	1105	2.393	175	174															
13	534	1106	2.678	150	149															
14	535	1110	3.219	125	125															
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

ENTERED BY:
CHECKED BY:

Bottom Depth: 2270

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1857
Bottom:		1944
End:		

START POSITION (GPS)
LAT: 49° 52.39'
LONG: 128° 11.34'

BOTTOM POSITION (GPS)
LAT: 49° 52.556'
LONG: 128 11.027'

END POSITION (GPS)
LAT:
LONG:

6/24

ROSETTE LOG

MISSION ID: 9928
STATION NAME: BPO7

UTC DATE y/m/d: 99/07/05
CAST NUMBER: 87

SHIP: Tully PART B of CAST

Niskin No.	Sample No.	OXY. Flask	OXY. Temp. m/l	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
							OXY		CHL		C13		Tox					
1	536	1114	5.530	1%	37		✓		✓				✓					
2	537	1146	5.693	3%	31		✓		✓									
3	538	1126	6.576	10%	22		✓		✓									
4	539	1128	*	30%	15		✓		✓								127.29	
5	540	1130	7.105	55%	11		✓		✓									
6	541	1132	7.180	100%	10		✓		✓				✓					
7	542	1133	7.156	5m down 5.			✓											
8	543	1134	7.103	0	0		✓											
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 2290

Cast # down:
Cast # up:

Time LOC UTC
Begin: 1857
Bottom:
End:

START POSITION (GPS)
LAT: 49 52.39
LONG: 128 11.34

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: NB* Sample 539 titrated as 9928087 469 Flask #1203 Depth 0 Dosage Dispensed = 1.139 End Point = 1.122 m/l = 6.285

ROSETTE LOG

MISSION ID: 9928
STATION NAME: BP06

UTC DATE y/m/d: 99/7/5
CAST NUMBER: 89

SHIP: 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		Tax							
1	544	1241	0.293	B-5	900			✓	✓											
2	545	1243	0.638	600	598			✓	✓											
3	546	1244	0.815	500	497			✓	✓											
4	547	1249	1.217	400	400			✓	✓											
5	548	1251	2.071	300	300			✓	✓											
6	549	1252	2.005	250	250			✓	✓											
7	550	1254	2.177	200	200			✓	✓											
8	551	1256	2.409	175	175			✓	✓											
9	552	1257	2.619	150	150			✓	✓											
10	553	1258	3.143	125	125			✓	✓											
11	554	1260	3.150	100	100			✓	✓											
12	555	1261	3.697	75	75			✓	✓											
13	556	1264	6.367	50	50			✓	✓	✓										
14	557	1267	6.163	30	30			✓	✓	✓										
15	558	1268	6.674	20	20			✓	✓	✓										
16	559	1269	7.034	10	10			✓	✓	✓										
17	560	1270	7.190	0	0			✓	✓	✓										
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

ENTERED BY:
CHECKED BY:

Bottom Depth: 900

Cast # down: 89
Cast # up: 89

Time LOC UTC
Begin: 22:22
Bottom:
End:

START POSITION (GPS)
LAT: 49 56 142
LONG: 128 05 435

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

done

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LBP 4

UTC DATE y/m/d: 99/07/06
CAST NUMBER: 90

SHIP: 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		P475					
1	561	1148	0.428		B-10	✓	1080											
2	562	1153	0.366		1000	✓	999											
3	563	1154	0.364		800	✓	860											
4	564	1158	0.569		600	✓	600											
5	565	1168	0.756		500	✓	500											
6	566	1171	1.092		400	✓	399											
7	567	1174	1.625		300	✓	300											
8	568	1175	1.877		250	✓	250											
9	569	1177	2.127		200	✓	199											
10	570	1178	2.261		175	✓	175											
11	571	1180	2.430		150	✓	149											
12	572	1188	2.632		125	✓	125											
13	573	1189	2.635		100	✓	100											
14	574	1190	3.261		75	✓	75											
15	575	1191	4.357		50	✓	50			✓								
16	576	1192	4.697		30	✓	30			✓								
17	577	1193	5.565		20	✓	20			✓								
18	578	1194	6.945		10	✓	10			✓								
19	579	1195	7.328		0	✓	1.2	✓	✓	✓			✓					
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:

Bottom Depth: 980m

Cast # down: 90
Cast # up: 90

Time	LOC	UTC
Begin:		2300
Bottom:		
End:		

START POSITION (GPS)
LAT: 50 01.452
LONG: 127 58.152

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LBP3

UTC DATE y/m/d: 99/07/06
CAST NUMBER: 91

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		PH				
* 1	580	534	2.393	B-5	161	✓ 0.425ml											133.95	
2	581	255	2.379	150		✓												
3	582	333	2.486	125		✓												
4	583	364	2.648	100		✓												
5	584	392	3.476	75		✓												
6	585	337	4.208	50		✓												
7	586	425	5.116	30		✓												
8	587	486	5.555	20		✓												
9	588	467	7.000	10		✓ 1.283ml												
10	589	443	7.081	0		✓							✓				145.82	
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 170

Cast # down: 91
Cast # up: 91

Time	LOC	UTC
Begin:		0136
Bottom:		0139
End:		0153

START POSITION (GPS)
LAT: 50 03 20
LONG: 127 55 31

BOTTOM POSITION (GPS)
LAT: 50 03 19
LONG: 127 55 30

END POSITION (GPS)
LAT: 50 03 20
LONG: 127 55 27

Comments:

* Volume of Iodate Std was blank → should have been 10.02 & ∴ [O₂] is wrong. Dosimat value = 0.425ml.
Quit program + filled in value with 10.02 based on value in previous file 9928090.0xy. Restarted + Appended old file.

done

ROSETTE LOG

MISSION ID: 9923
STATION NAME: LEP02

UTC DATE y/m/d: 99/07/06
CAST NUMBER: 74

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		P476						
1	590	509	2.845	B-5	96	✓														
2	591	84	3.596	75		✓														
3	592	572	3.932	50		✓														
4	593	535	4.706	30																
5	594	578	5.533		18	1%				✓				✓						
6	595	588	6.006		14.5	3%				✓										
7	596	638	6.440		9.5	10%				✓										
8	597	641	?		5.8	30%				✓										
9	598	708	6.947	??	3.5	55%				✓								145.43	1.260	
10	599			missing samples	2.2	100%				✓				✓						
11	600			0					✓	✓										
12				??																
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 100

Cast # down: 94
Cast # up: 94

Time	LOC	UTC
Begin:		0248
Bottom:		
End:		

START POSITION (GPS)
LAT: 50.03986
LONG: 127.54.172

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

done

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LK 01

UTC DATE y/m/d: 99/07/06
CAST NUMBER: 98

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	601	1241	4.409	50	50										
2	602	1243	4.650	30	30										
3	603	1244	4.902	20	20										
4	604	1249	5.671	10	10										
5	605	1251	7.230	0	0										
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
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18															
19															
20															
21															
22															
23															
24															

ENTERED BY:
CHECKED BY:

Bottom Depth: 56

Cast # down: 98
Cast # up: 98

Time LOC UTC
Begin: 0817
Bottom:
End:

START POSITION (GPS)
LAT: 49 55 511
LONG: 127 18 742

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LK02

UTC DATE y/m/d: 99 07 06
CAST NUMBER: 99

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	M OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	606	1254	3.581	Bot-5	62			X										
2	607	1256	4.235	50	52			X										
3	608	1257	5.026	30	30			X										
4	609	1258	5.223	20	20			X										
5	610	1260	5.705	10	10			X										
6	611	1261	7.394	0	0			X										
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:

Bottom Depth: 67

Cast # down: 99
Cast # up: 99

Time LOC UTC
Begin: 0850
Bottom:
End:

START POSITION (GPS)
LAT: 49 53 947
LONG: 127 21 610

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

done

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LK03

UTC DATE y/m/d: 99 07 06
CAST NUMBER: 100

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						
1	612	1264	2.631	Bot-5	75			X										
2	613	1268	3.840	50	50			X										
3	614	1269	4.705	30	30			X										
4	615	1270	5.203	20	20			X										
5	616	1271	6.238	10	10			X										
6	617	1272	6.867	0	0			X										
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 80

Cast # down: 100
Cast # up: 100

Time LOC UTC
Begin: 0938
Bottom:
End:

START POSITION (GPS)
LAT: 49 50 537
LONG: 127 27 358

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

done

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LK 04

UTC DATE y/m/d: 99/07/06
CAST NUMBER: 101

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								
1	618	1273	2.673	B-5	121			X												
2	619	1274	2.676	125	121.			X												
3	620	1275	2.718	100	100			X												
4	621	1276	3.428	75	75			X												
5	622	1277	4.117	50	51			X												
6	623	1278	4.853	30	30			X												
7	624	1279	5.690	20	20			X												
8	625	1280	6.445	10	10			X												
9	626	1281	6.879	0	0															
10																				
11																				
12																				
13																				
14																				
15																				
16																				
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19																				
20																				
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22																				
23																				
24																				

Comments:

ENTERED BY: JL
CHECKED BY:

Bottom Depth: 129

Cast # down: 101
Cast # up: 101

Time LOC UTC
Begin: 1030
Bottom:
End:

START POSITION (GPS)
LAT: 49 46 851
LONG: 127 33 606

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Long

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LK05

UTC DATE y/m/d: 99 07 06
CAST NUMBER: 102

SHIP: 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										
1	627	1105	0.405	B-10	690	✓		X														
2	628	727	0.539	600		✓		X														
3	629	734	0.792	500		✓		X														
4	630	735	1.162	400		✓		Y														
5	631	1142	1.537	300		✓		X														
6	632	1128	1.847	250		✓		Y														
7	633	1062	2.145	200		✓		Y														
8	634	1104	2.229	175		✓		Y														
9	635	730	2.613	150		✓		Y														
10	636	1114	2.990	125		✓		Y														
11	637	1106	3.322	100		✓		Y														
12	638	1126	4.731	75		✓		Y														
13	639	732	6.002	50		✓		Y														
14	640	1110	5.303	30		✓		Y														
15	641	1090	5.678	20		✓		Y														
16	642	1146	6.593	10		✓		Y														
17	643	1103	6.821	0		✓		X														
18																						
19																						
20																						
21																						
22																						
23																						
24																						

ENTERED BY:
CHECKED BY:

Bottom Depth: 691

Cast # down: 102
Cast # up: 102

Time	LOC	UTC
Begin:		1126
Bottom:		1137
End:		1202

START POSITION (GPS)
LAT: 49 43 32
LONG: 127 39 59

BOTTOM POSITION (GPS)
LAT: 49 43 29
LONG: 127 39 54

END POSITION (GPS)
LAT: 49 43 34
LONG: 127 39 57

Comments:

ROSETTE LOG

MISSION ID: 9928
STATION NAME: Lk07

UTC DATE y/m/d: 99/07/06
CAST NUMBER: 104

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							
1	644	1148	1.100	B-10	1745	✓												
2	645	1153	0.688	1500	1500	✓												
3	646	1154	0.333	1000	1080	✓												
4	647	1158	0.247	860	860	✓												
5	648	1168	0.226	840	839	✓												
6	649	1171	0.271	820	820	✓												
7	650	1174	0.225	800	799	✓												
8	651	1175	0.242	780	780	✓												
9	652	1177	0.236	760	760	✓												
10	653	1178	0.257	740	738	✓												
11	654	1180	0.766	500	498	✓												
12	655	1188	1.762	300	300	✓												
13	656	1189	2.072*	200	200	✓												
14	657	1190	2.612	150	149	✓												
15	658	1191	3.161	100	102	✓												
16	659	1192	4.882	75	75	✓												
17	660	1193	6.357	50	50	✓												
18	661	1194	6.170	30	30	✓												
19	662	1195	6.576	20	19	✓												
20	663	1196	6.559	10	10	✓												
21	664	1197	6.584	0	stc	✓												
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 1732

Cast # down: 104

Cast # up: 104

Time LOC UTC
Begin: 1406
Bottom:
End:

START POSITION (GPS)
LAT: 49 35.73
LONG: 127 52.10

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: * - Dosage Dispensed when titration interrupted = 0.102
- System reset #656 titration completed Dosage Dispensed = 0.396 End Point Dosage = 0.379
- see me J = ml/L = 2.072

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LK08

UTC DATE y/m/d: 99/07/06
CAST NUMBER: 105

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							
1	665	1241	1.619	2700	2199			✓										
2	666	1243	1.498	2100	2095			✓										
3	667	1244	1.382	2000	1997			✓										
4	668	1249	1.239	1900	1900			✓										
5																		
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: 2368

Cast # down: 105
Cast # up: 105

Time	LOC	UTC
Begin:		1628
Bottom:		1700
End:		1742

START POSITION (GPS)
LAT: 49 31.58
LONG: 127 58.49

BOTTOM POSITION (GPS)
LAT: 49 31.631
LONG: 127 58.58

END POSITION (GPS)
LAT: 49 31.814
LONG: 127 58.642

Comments:

ROSETTE LOG

MISSION ID: 9928
STATION NAME: LJ08

UTC DATE y/m/d: 99/07/06
CAST NUMBER: 106

SHIP: Tully

Niskin No.	Sample No.	Sample Depth OXY. Flask	OXY. Temp.	Trip Pressure Sample Depth	ROSETTE OPERATION			Samples taken											
					O ₂ Trip flask pressure	Confirmed DO ml/L Salinity		SAL	✓	NUT		ALK		TCO					
								✓	OXY		CHL		C13						
1	669	Bot 5		1744	1241	1.031		X	X										
2	670	1700		1700	1243	0.904			X										
3	671	1690		1690	1244	0.904		X	X										
4	672	1680		1680	1249	0.883		X	X										
5	673	1500		1500	1251	0.634			X										
6	674	1490		1490	1252	0.629		X	X										
7	675	1480		1480	1254	0.642			X										
8	676	1300		1300	1256	0.460		X	X										
9	677	1290		1290	1257	0.493			X										
10	678	1280		1280	1258	0.438			X										
11	679	1100		1100	1260	0.300			X										
12	680	1090		1090	1261	0.296			X										
13	681	1080		1080	1264	0.343			X										
14	682	900		900	1267	0.233			X										
15	683	890		890	1268	0.237			X										
16	684	880		880	1269	0.215			X										
17	685	500		498	1270	0.677			X										
18	686	300		300	1271	1.682			X										
19	687	100		100	1272	3.523			X										
20	688	50		50	1273	6.386			X										
21	689	30		29	1274	4.557			X										
22																			
23																			
24																			

ENTERED BY:
CHECKED BY:

Bottom Depth: 1174

Cast # down:
Cast # up:

Time LOC UTC
Begin: 1940
Bottom:
End:

START POSITION (GPS)
LAT: 49 20 096
LONG: 127 40 917

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: O₂ Flask # [02] ml/L

ROSETTE LOG

MISSION ID: 9928
STATION NAME: L506

UTC DATE y/m/d: 99/07/06
CAST NUMBER: 108

SHIP: 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							
1	690	534	0.325	12.5	1060	✓		x										
2	691	255	0.354	1000		✓		x										
3	692	333	0.289	800		✓		x										
4	693	364	0.563	600		✓		x										
5	694	392	0.724	500		✓		x										
6	695	337	1.070	400		✓		x										
7	696	425	1.519	300		✓		x										
8	697	486	1.814	250		✓		x										
9	698	467	2.168	200		✓		x										
10	699	443	2.351	175		✓		x										
11	700	509	2.486	150		✓		x										
12	701	84	2.970	125		✓		x										
13	702	572	3.528	100		✓		x										
14	703	535	6.249	75		✓		x										
15	704	578	5.555	50		✓		x										
16	705	588	5.670	30		✓		x										
17	706	638	6.261	20		✓		x										
18	707	641	6.629	10		✓		x										
19	708	708	6.532	0		✓		x										
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:

Bottom Depth: 10 31

Cast # down: 108
Cast # up: 108

Time	LOC	UTC
Begin:		2317
Bottom:		2331
End:	99/07/07	0001

START POSITION (GPS)
LAT: 49 27 90
LONG: 127 28 58

BOTTOM POSITION (GPS)
LAT: 49 27 88
LONG: 127 28 64

END POSITION (GPS)
LAT: 49 27 85
LONG: 127 28 64

dsu

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/07/07

SHIP: TOLLY

STATION NAME:

LT05

CAST NUMBER:

109

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	709	1148	0.000	8-10	✓	1075											0643
	2	710	1153	0.284	800	✓												
	3	711	1154	0.553	600	✓												
	4	712	1158	0.792	500	✓												
	5	713	1168	1.037	400	✓												
	6	714	1171	1.584	300	✓												
	7	715	1174	1.879	250	✓												
	8	716	1175	2.384	200	✓												
	9	717	1177	2.646	175	✓												
	10	718	1178	2.938	150	✓												
	11	719	1180	2.735	125	✓												
	12	720	1188	3.390	100	✓												
	13	721	1189	5.143	75	✓												
	14	722	1190	5.433	50	✓												
	15	723	1191	5.765	30	✓												
	16	724	1192	6.158	20	✓												
	17	725	1193	6.797	10	✓												
	18	726	1194	6.772	0	✓												
	19																	
	20																	
	21																	
	22																	
	23																	
	24																	

Comments: * Dosage Dispensed = 0.083 End Point 1.10522. - ?

ENTERED BY:

CHECKED BY:

Bottom Depth: 1072

Cast # down: 109

Cast # up: 109

Time	LOC	UTC
Begin:		0046
Bottom:		0059
End:		0132

START POSITION (GPS)	
LAT:	49 31. 63
LONG:	127 22. 41

BOTTOM POSITION (GPS)	
LAT:	49 31. 62
LONG:	127 22. 63

END POSITION (GPS)	
LAT:	49 31. 69
LONG:	127 22. 56

done

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/07/07

STATION NAME:

LJ 04

CAST NUMBER:

110

SHIP: 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						
1	727	1195	2.068	8-10	155	✓												
2	728	1196	2.500	125		✓												
3	729	1197	2.693	100		✓												
4	730	1198	4.107	75		✓												
5	731	1201	4.300	50		✓												
6	732	1202	6.090	30		✓												
7	733	1203	6.381	20		✓												
8	734	1204	6.889	10		✓												
9	735	1206	6.801	0		✓												
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 165

Cast # down: 110

Cast # up: 110

Time LOC UTC

Begin: 0221

Bottom: 0224

End: 0233

START POSITION (GPS)

LAT: 49 35 47

LONG: 127 16 88

BOTTOM POSITION (GPS)

LAT: 49 35 51

LONG: 127 16 88

END POSITION (GPS)

LAT: 49 35 46

LONG: 127 16 90

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/07/07

SHIP: TULLY

STATION NAME:

L503

CAST NUMBER:

111

Niskin No.	Sample No.	OXY. Flask	OXY. Temp. m/L	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	736	1241	2.063	8-10	120													
2	737	1243	2.208	100	100													
3	738	1244	2.786	75	74													
4	739	1249	4.103	50	50													
5	740	1251	4.985	30	30													
6	741	1252	6.456	20	17													
7	742	1254	6.729	10	9.5													
8	743	1256	6.617	0	1.5													
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 127

Cast # down: 111

Cast # up: 111

Time	LOC	UTC
Begin:		0316
Bottom:		0319
End:		0328

START POSITION (GPS)	
LAT:	49:39.159
LONG:	127 11.19

BOTTOM POSITION (GPS)	
LAT:	49:39.12
LONG:	127 11.19

END POSITION (GPS)	
LAT:	49:39.041
LONG:	127 11.134

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/07/07

STATION NAME:

LJ02

CAST NUMBER:

112

SHIP:

Tully

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

ROSETTE OPERATION

Samples taken

Trip
pressureConfirmed
Salinity

SAL

NUT

ALK

TCO

OXY

CHL

C13

1	744	1257	3.589	B-5	76														
2	745	1258	3.795	50	48														
3	746	1260	4.453	30	30														
4	747	1261	6.010	20	19														
5	748	1264	7.015	10	9.5														
6	749	1267	7.349	0	1.3														
7	750			0															
8																			
9																			
10																			
11																			
12																			
13																			
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16																			
17																			
18																			
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21																			
22																			
23																			
24																			

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

84

Cast # down:

112

Cast # up:

112

Time

LOC

UTC

Begin:

0412

Bottom:

0415

End:

0422

START POSITION (GPS)

LAT:

49 42.629

LONG:

127 05.297

BOTTOM POSITION (GPS)

LAT:

49 42.625

LONG:

127 05.276

END POSITION (GPS)

LAT:

LONG:

831
735

6

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/07/07

STATION NAME:

LJ01

CAST NUMBER:

113

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						
1	750	1268	3.721	B-5	52													
2	751	1270	3.907	30	30													
3	752	1269	4.537	20	20													
4	753	1271	4.857	10	10													
5	754	1272	7.234	0	1.5													
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
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21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

61m

Cast # down:

113

Cast # up:

113

Time LOC UTC

Begin: 0449

Bottom: 0452

End: 0457

START POSITION (GPS)

LAT: 49 44.30

LONG: 127 02.50

BOTTOM POSITION (GPS)

LAT: 49 44.30

LONG: 127 02.50

END POSITION (GPS)

LAT: 49.44.30

LONG: 127 02.50

Comments:

ROSETTE LOG

MISSION ID: 9928
STATION NAME: MU07

UTC DATE y/m/d: 99/07/07
CAST NUMBER: 114

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						
1	755	1148	3.231	Bot-5	51			X										
2	756	1153	4.102	30	30			X										
3	757	1154	4.579	20	20			X										
4	758	1158	5.856	10	10			X										
5	759	1168	7.594	0	0			X										
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 57

Cast # down: 114
Cast # up: 114

Time LOC UTC
Begin: 0718
Bottom:
End:

START POSITION (GPS)
LAT: 49 32 459
LONG: 126 39 989

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9928
STATION NAME: MU06UTC DATE y/m/d: 99/07/07
CAST NUMBER: 115SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken														
					Trip pressure	Confirmed Salinity	SAL	OXY	NUT	CHL	ALK	C13	TCO								
1	760	1171	2.902	Bot -5	113			X													
2	761	1174	2.878	100	100			X													
3	762	1175	3.027	75	75			X													
4	763	1177	3.346	50	50			X													
5	764	1178	3.766	30	30			X													
6	765	1180	4.319	20	20			X													
7	766	1188	5.601	10	10			X													
8	766A	1190	7.072	0	0			X													
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					

ENTERED BY:
CHECKED BY:Bottom Depth: 117Cast # down: 115Cast # up: 115

Time	LOC	UTC
Begin:		<u>0803</u>
Bottom:		
End:		

START POSITION (GPS)		
LAT:	<u>49</u>	<u>35</u> <u>854</u>
LONG:	<u>126</u>	<u>35</u> <u>714</u>

BOTTOM POSITION (GPS)		
LAT:		
LONG:		

END POSITION (GPS)		
LAT:		
LONG:		

Comments:

EXTRA Bottle needed 766A @ Surface
one short

ROSETTE LOG

MISSION ID: 9928
STATION NAME: MU05A

UTC DATE y/m/d: 99 07 07
CAST NUMBER: 116

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										
1	767	1191	2.971	150	165	✓		X												
2	768	1192	2.938	150	150	✓		X												
3	769	1193	2.938	125	126	✓		X												
4	770	1194	2.993	100	100	✓		X												
5	771	1195	2.959	75	75	✓		X												
6	772	1196	3.049	50	50	✓		X												
7	773	1197	3.722	30	30	✓		X												
8	774	1198	4.073	20	20	✓		X												
9	775	1201	4.894	10	10	✓		X												
10	776	1202	7.029	0	0	✓		X												
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 160

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		08 49
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 36 483
LONG: 126 30 724

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9928
STATION NAME: M405UTC DATE y/m/d: 99/07/07
CAST NUMBER: 117SHIP: TULLY

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								
1	777	534	3.304	Bot-5	246			✓												
2	778	255	3.295	200	200			✓												
3	779	333	3.249	175	175			✓												
4	780	364	3.303	150	150			✓												
5	781	392	3.203	125	126			✓												
6	782	337	3.114	100	100			✓												
7	783	425	2.589	75	75			✓												
8	784	486	2.977	50	49			✓												
9	785	467	3.447	30	30			✓												
10	786	443	4.165	20	20			✓												
11	787	509	4.934	10	10			✓												
12	788	84	6.652	0	0			✓												
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 219Cast # down: 117Cast # up: 117

Time LOC UTC

Begin: 0939

Bottom:

End:

START POSITION (GPS)

LAT: 49 39 209LONG: 126 28 448

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

done

ROSETTE LOG

MISSION ID: 9928
STATION NAME: MU04UTC DATE y/m/d: 99 07 07
CAST NUMBER: 118SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	X	NUT	ALK	TCO							
								OXY	CHL	C13								
1	790	572	2.686	Bot -5	274			X										
2	791	535	2.952	200	200			X										
3	792	578	3.167	175	175			X										
4	793	588	3.133	150	150			X										
5	794	638	1.877	125	125			X										
6	795	641	1.175	100	100			X										
7	796	708	1.517	75	75			X										
8	797	715	2.627	50	50			X										
9	798	695	3.899	30	30			X										
10	799	697	4.652	20	20			X										
11	800	1176	5.969	10	10			X										
12	801	707	6.902	0	0			X										
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:Bottom Depth: 289Cast # down: 118
Cast # up: 118

Time	LOC	UTC
Begin:		1038
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 38 495
LONG: 126 20 70BOTTOM POSITION (GPS)
LAT:
LONG:END POSITION (GPS)
LAT:
LONG:

Comments:

Bottom contacted @ 250m after ship drifted off station, immediately raised to 200m.

ROSETTE LOG

MISSION ID: 9928
STATION NAME: MU03UTC DATE y/m/d: 99 07 07
CAST NUMBER: 119SHIP: 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								
1	802	1241	2.751	Bot-5	358	✓									
2	803	1243	2.774	300	350	✓									
3	804	1244	2.775	290	340	✓									
4	805	1249	2.779	280	330	✓									
5	806	1251	2.784	250	300	✓									
6	807	1252	3.147	200	200	✓									
7	808	1254	3.491	175	175	✓									
8	809	1256	3.544	150	150	✓									
9	810	1257	1.716	125	125	✓									
10	811	1258	0.691	100	100	✓									
11	812	1261	1.411	75	75	✓									
12	813	1260	2.277	50	50	✓									
13	814	1264	3.285	30	30	✓									
14	815	1267	4.203	20	20	✓									
15	815A	1268	6.572	10	10	✓									
16	815B	1270	7.582	0	0	✓									
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:

CHECKED BY:

Bottom Depth: 281Cast # down: 119Cast # up: 119

Time	LOC	UTC
Begin:		1138
Bottom:		1144
End:		1201

START POSITION (GPS)		
LAT:	49	39 20
LONG:	126	19 49

BOTTOM POSITION (GPS)		
LAT:	49	39 19
LONG:	126	14 50

END POSITION (GPS)		
LAT:	49	39 19
LONG:	126	14 48

Comments:

ROSETTE LOG

MISSION ID: 9928
STATION NAME: MU 02UTC DATE y/m/d: 99 07 07
CAST NUMBER: 120SHIP: 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						

1	816	1105	2.786	Bot-5	361	✓													
2	817	727	2.830	300	350	✓													
3	818	734	2.889	250	340	✓													
4	819	735	2.850	200	300	✓													
5	820	1142	3.413	175	200	✓													
6	821	1128	3.530	150	150	✓													
7	822	1062	1.800	125	125	✓													
8	823	1104	0.672	100	100	✓													
9	824	730	1.393	75	75	✓													
10	825	1114	2.188	50	50	✓													
11	826	1106	2.443	30	30	✓													
12	827	732	2.922	20	20	✓													
13	828	1126	5.837	10	10	✓													
14	829	1110	7.532	0	0	✓													
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:
CHECKED BY:Bottom Depth: 361Cast # down: 120Cast # up: 120

Time	LOC	UTC
Begin:		<u>1234</u>
Bottom:		
End:		

START POSITION (GPS)		
LAT:	<u>49</u>	<u>40</u> <u>18</u>
LONG:	<u>126</u>	<u>09</u> <u>45</u>

BOTTOM POSITION (GPS)		
LAT:	<u>49</u>	<u>40</u> <u>19</u>
LONG:	<u>126</u>	<u>09</u> <u>41</u>

END POSITION (GPS)		
LAT:	<u>49</u>	<u>40</u> <u>21</u>
LONG:	<u>126</u>	<u>09</u> <u>40</u>

Comments:

ROSETTE LOG

MISSION ID: 9928
STATION NAME: MO 01AUTC DATE y/m/d: 99/07/07
CAST NUMBER: 121SHIP: 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	830	1130	3.260	8-10	155	✓												
2	831	1132	4.943	150	150	✓												
3	832	1133	2.132	125	125	✓												
4	833	1134	0.535	100	100	✓												
5	834	1045	1.003	75	75	✓												
6	835	1135	1.793	50	50	✓												
7	836	1136	1.938	30	30	✓												
8	837	1137	2.035	20	20	✓												
9	838	1138	5.478	10	10	✓												
10	839	1141	7.959	0														
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:Bottom Depth: 173Cast # down: 121Cast # up: 121

Time	LOC	UTC
Begin:		1329
Bottom:		
End:		

START POSITION (GPS)		
LAT:	<u>49</u>	<u>39 01</u>
LONG:	<u>126</u>	<u>05 52</u>

BOTTOM POSITION (GPS)		
LAT:	<u>49</u>	<u>39 00</u>
LONG:	<u>126</u>	<u>05 52</u>

END POSITION (GPS)		
LAT:	<u>49</u>	<u>38 49</u>
LONG:	<u>126</u>	<u>05 52</u>

done

ROSETTE LOG

MISSION ID: 99 28
STATION NAME: MU 01

UTC DATE y/m/d: 99/07/07
CAST NUMBER: 122

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		CI3						
1	840	1212	1374	B-10	122	✓											144.34	
2	841	1215	0.322	100	100	✓												
3	842	1216	1.040	75	75	✓												
4	843	1218	1.518	50	50	✓												
5	844	1219	0.970	30	30	✓												
6	845	1222	2.300	20	20	✓												
7	846	1223	6.991	10	10	✓												
8	847	1224	8.436	0	0	✓												
9																		
10																		
11																		
12																		
13																		
14																		
15																		
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22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 122

Cast # down: 122

Cast # up: 122

Time	LOC	UTC
Begin:		<u>1407</u>
Bottom:		<u>1411</u>
End:		<u>1416</u>

START POSITION (GPS)
LAT: 49 37 50
LONG: 126 03 62

BOTTOM POSITION (GPS)
LAT: 49 37 50
LONG: 126 03 57

END POSITION (GPS)
LAT: 49 37 49
LONG: 126 03 54

Comments:

Done

ROSETTE LOG

MISSION ID: 9928
STATION NAME: EF13UTC DATE y/m/d: 99/07/08
CAST NUMBER: 126SHIP: 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	848	1215	2427	95	95			X										
2	849	1212	2.643	75	76			X										
3	850	1224	4.017	50	49			X										
4	851	1222	4.573	30	30			X										
5	852	1219	5.207	20	20			X										
6	853	1216	7.146	10	10			X										
7	854	1218	7.815	0	0			X										
8																		
9																		
10																		
11																		
12																		
13																		
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22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 105Cast # down: 126Cast # up: 126

Time LOC UTC

Begin: 10:01

Bottom:

End:

START POSITION (GPS)

LAT: 48 56 489LONG: 125 10 673

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

NOTE: Titrated "RINSE" WATER TO see effect of not changing soaking water.
These are first files in each of 848 and 849.

ROSETTE LOG

MISSION ID: 9928
STATION NAME: EF12UTC DATE y/m/d: 99/07/08
CAST NUMBER: 127SHIP: 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						

1	855	1237	2.536	Bo+ -5	92		X												
2	856	1235	2.862	75	75		X												
3	857	1240	3.778	50	50		X												
4	858	1248	4.660	30	30		X												
5	859	1233	3.928	20	20	*5.039	X												
6	860	1230	6.462	10	10		X												
7	861	1231	7.500	0	0		X												
8																			
9																			
10																			
11																			
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22																			
23																			
24																			

ENTERED BY:

CHECKED BY:

Bottom Depth: 92Cast # down: 127Cast # up: 127

Time LOC UTC

Begin: 10:34

Bottom:

End:

START POSITION (GPS)

LAT: 48 57 988LONG: 125 10 662

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

* Don't trust # 859. May have some MUD on the weight. See % trace. There should be extra dispensed material in 1928127 at this station/depth. Add to value listed. Rich

ROSETTE LOG

MISSION ID: 9928
STATION NAME: EF11UTC DATE y/m/d: 99/07/08
CAST NUMBER: 128SHIP: TVELYNiskin 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	862	1238	2.796	30+-5	80	✓		X							
2	863	632	2.723	75		✓		X							
3	864	1228	3.652	50		✓		X							
4	865	1247	4.699	30		✓		X							
5	866	1223	4.840	20		✓		X							
6	867	1225	6.173	10		✓		X							
7	868	1234	7.461	0		✓		X							
8															
9															
10															
11															
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23															
24															

ENTERED BY:

CHECKED BY:

Bottom Depth: 92.5Cast # down: 128Cast # up: 120

Time LOC UTC

Begin: 4 1105Bottom: 1109End: 1114

START POSITION (GPS)

LAT: 43 59 15LONG: 125 11 04

BOTTOM POSITION (GPS)

LAT: 43 59 15LONG: 125 11 05

END POSITION (GPS)

LAT: 43 59 15LONG: 125 11 09

Comments:

ROSETTE LOG

MISSION ID: 9928
STATION NAME: EF10UTC DATE y/m/d: 99 07 08
CAST NUMBER: 129SHIP: 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						

1	869	1105	2.678	B-5	82	✓		X											
2	870	727	2.569	75		✓		X											
3	871	734	2.877	60		✓		X											
4	872	735	3.046	50		✓		X											
5	873	1142	4.806	30		✓		X											
6	874	1128	5.404	20		✓		X											
7	875	1062	6.181	10		✓		X											
8	875A	1133	7.744	0		✓													
9	876																		
10																			
11																			
12																			
13																			
14																			
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23																			
24																			

ENTERED BY:
CHECKED BY:Bottom Depth: 84Cast # down: 129Cast # up: 121

Time	LOC	UTC
Begin:		1134
Bottom:		1136
End:		1143

START POSITION (GPS)		
LAT:	48 59	88
LONG:	125 11	18

BOTTOM POSITION (GPS)		
LAT:	48 59	88
LONG:	125 11	18

END POSITION (GPS)		
LAT:	48 59	89
LONG:	125 11	17

Comments: # 869 and 870 are in 9928128.

ROSETTE LOG

MISSION ID: 9928
STATION NAME: EF09UTC DATE y/m/d: 99 07 08
CAST NUMBER: 130SHIP: 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	870	1104	3.387	5	53	✓		X										
2	871	730	3.455	50	50	✓		X										
3	872	1141	4.733	30		✓		X										
4	873	1106	5.288	20		✓		X										
5	874	732	6.376	10		✓		X										
6	875	1126	7.846	0		✓		X										
7																		
8																		
9																		
10																		
11																		
12																		
13																		
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23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:Bottom Depth: 60Cast # down: 130Cast # up: 130

Time	LOC	UTC
Begin:		1159
Bottom:		1202
End:		1205

START POSITION (GPS)		
LAT:	49	00 11
LONG:	125	10 86

BOTTOM POSITION (GPS)		
LAT:	49	00 11
LONG:	125	10 84

END POSITION (GPS)		
LAT:	49	00 11
LONG:	125	10 84

done

ROSETTE LOG

MISSION ID: 9928
STATION NAME: EF08UTC DATE y/m/d: 99 07 08
CAST NUMBER: 131SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp. <i>m/L</i>	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	876	1110	2.972		B-5	✓	71		X									
2	877	1090	3.123		60	✓			X									
3	878	1146	2.840		50	✓			X									
4	879	1103	4.743		30	✓			X									
5	880	1130	5.201		20	✓			X									
6	881	1132	6.315		10	✓			X									
7	882	1134	7.769		0	✓												
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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16																		
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22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:Bottom Depth: 87Cast # down: 131Cast # up: 131

Time	LOC	UTC
Begin:		<u>1217</u>
Bottom:		<u>1221</u>
End:		<u>1227</u>

START POSITION (GPS)	
LAT:	<u>49 00.11</u>
LONG:	<u>125 10.21</u>

BOTTOM POSITION (GPS)	
LAT:	<u>49 00.66</u>
LONG:	<u>125 10.21</u>

END POSITION (GPS)	
LAT:	<u>49 00.67</u>
LONG:	<u>125 10.21</u>

done

ROSETTE LOG

MISSION ID:

9128

UTC DATE y/m/d:

08/07/99.

STATION NAME:

EF07A

CAST NUMBER:

9928

132

SHIP: 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						
1	882	534	2.677	8-10	130	✓												
2	883	255	2.671	7.0	120	✓												
3	884	333	2.714		110	✓												
4	885	364	2.762		100	✓												
5	886	392	2.808		75	✓												
6	887	337	2.809		50	✓												
7	888	425	4.429		30	✓												
8	889	486	5.234		20	✓												
9	890	467	6.199		10	✓												
10	891	443	7.557		0	✓												
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
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21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 140

Cast # down: 132

Cast # up: 132

Time LOC UTC

Begin: 1241

Bottom: 1245

End: 1254

START POSITION (GPS)

LAT: 49 00 90

LONG: 125 09 78

BOTTOM POSITION (GPS)

LAT: 49 00 91

LONG: 125 09 76

END POSITION (GPS)

LAT: 49 00 92

LONG: 125 09 75

done

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/07/08

STATION NAME:

EF 07

CAST NUMBER:

133

SHIP: TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp. m/L	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	892	572	2.641	5-5	114	✓												
2	893	535	2.680	108		✓												
3	894	578	2.738	100		✓												
4	895	588	2.846	75		✓												
5	896	641	3.222	50		✓												
6	897	708	4.316	30		✓												
7	898	715	5.208	20		✓												
8	899	695	6.098	10														
9	900	697	7.755	0														
10																		
11																		
12																		
13																		
14																		
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16																		
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21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 120

Cast # down: 133

Cast # up: 133

Time LOC UTC

Begin: 1308

Bottom: 1311

End: 1320

START POSITION (GPS)

LAT: 49 01 25

LONG: 125 09 40

BOTTOM POSITION (GPS)

LAT: 49 01 26

LONG: 125 09 40

END POSITION (GPS)

LAT: 49 01 27

LONG: 125 09 41

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/07/08

STATION NAME:

EF 06

CAST NUMBER:

134

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						
1	901	1148	2.668	144	5-5	✓												
2	902	1153	2.686		140	✓												
3	903	1154	2.676		130	✓												
4	904	1158	2.674		120	✓												
5	905	1168	2.646		100	✓												
6	906	1171	2.758		75	✓												
7	907	1174	3.200		50	✓												
8	908	1175	4.166		30	✓												
9	909	1177	4.944		20	✓												
10	910	1178	6.078		10	✓												
11	911	1180	7.450		0	✓												
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 152

Cast # down: 134

Cast # up: 134

Time LOC UTC

Begin: 1334

Bottom: 1337

End: 1349

START POSITION (GPS)

LAT: 49 01 77

LONG: 125 09 19

BOTTOM POSITION (GPS)

LAT: 49 01 78

LONG: 125 09 19

END POSITION (GPS)

LAT: 49 01 80

LONG: 125 09 17

Comments:

ROSETTE LOG

MISSION ID: 9928
STATION NAME: EF05UTC DATE y/m/d: 99/07/08
CAST NUMBER: 135

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	912	1189	2.644		8-3	✓ 193		✓										
2	913	1190	*		180	✓ 180		✓										
* 3	914	1191	2.382		170	✓ 169		✓										
4	915	1192	2.741		150	✓ 150		✓										
5	916	1193	2.633		125	✓ 125												
6	917	1194	2.282		100	✓ 100												
7	918	1195	2.319		90	✓ 90												
8	919	1196	2.670		80	✓ 79												
* 9	920	1197	1.892	0.961 mL DOSIMAT	70	✓ 70												.506
10	921	1198	3.320		60	✓ 59												
11	922	1201	3.199		50	✓ 50												
12	923	1202	3.254		40	✓ 40												
13	924	1203	4.079		30	✓ 30												
14	925	1204	4.972		20	✓ 20												
926 15	925A	1206	6.082		10	✓ 10		✓										
927 16	925B	1209	7.962		0	✓ 0		✓										
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 199 m

Cast # down: 135

Cast # up: 135

Time LOC UTC

Begin: 1516

Bottom:

End:

START POSITION (GPS)

LAT: 49 02.821

LONG: 125 09.141

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

OUTER BASIN/MID CHANNEL

* -see me Bernard, -slow titration the 1st dispensed .464 ml, -2nd titration on the same sample completed -end dosage=.049

* Got a vertical line on graph. % transmittance = 100.7 %

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/07/08

STATION NAME:

EFOSA

CAST NUMBER:

136

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						
*1	926	1241	2.518	B-5	200	✓	197	*										✓
2	927	1243	2.530		190	✓	190											✓
(*)3	928	1244	3.869		180	✓	179										✓	482
4	929	1249	2.779		170	✓	170											
5	930	1251	2.722		150	✓	150											
6	931	1252	2.551		125	✓	125											
→7	932	1254	1.974		100	✓	100									392		
8	933	1256	2.218		90	✓	90											
9	934	1257	2.726		80	✓	80											
(10)	935	1258	2.085		70	✓	70											
*11	936	1261	3.495		60	✓	60											
12	937	1260	3.189		50	✓	50											
13	938	1264	3.465		40	✓	40											
14	939	1267	3.936		30	✓	30											
15	940	1268	5.000		20	✓	20											
16	941	1270	6.880		10	✓	10											
17	942	1271	7.681		0	✓	5fc											
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

205

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1603

Bottom:

End:

START POSITION (GPS)

LAT: 49 02.441

LONG: 125 09.160

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

Southern end of channel.

*11 - pickled sample had air in it. Glass stopper not properly inserted.

(*) Vertical line @ 100.9% transmittance.

→ Strange result on graph - line went to 0 three times.

ROSETTE LOG

MISSION ID: 9928
STATION NAME: EF04

UTC DATE y/m/d: 09/07/08
CAST NUMBER: 137

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						
1	943	1272	3.156	54	52	✓												
2	944	1273	3.095	50	50	✓												
3	945	1274	3.164	40	40	✓												
4	946	1269	4.262	30	30	✓												
5	947	1275	5.180	20	20	✓												
6	948	1277	6.565	10	10	✓												
7	949	1278	7.950	0	Sfc	✓												
8																		
9																		
10																		
11																		
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22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 55 m

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		16:48
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 03.142
LONG: 125 08.590

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

done

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/07/08

STATION NAME:

EF01

CAST NUMBER:

138

SHIP:

Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp. ml/L	Sample Depth	ROSETTE OPERATION		Samples taken													
					Trip pressure	Confirmed Salinity	SAL	OXY	NUT	CHL	ALK	TCO	C13							
1	950	1134	1.369	29	29	✓														
2	951	534	1.796	25	25	✓														
3	952	255	3.827	20	20	✓														
4	953	333	6.003	10	10	✓														
5	954	364	8.287	0	5fr			14/68	* program locked up com - buffer overflow											
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
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21																				
22																				
23																				
24																				

ENTERED BY:

CHECKED BY:

Bottom Depth: 38 m

Cast # down: 138

Cast # up:

Time LOC UTC

Begin: 1732

Bottom: 1744

End: 1752

START POSITION (GPS)

LAT: 49° 05.573'

LONG: 125° 11.653'

BOTTOM POSITION (GPS)

LAT: 49° 05.573'

LONG: 125° 11.678'

END POSITION (GPS)

LAT: 49° 05.580'

LONG: 125° 11.678'

Comments: * Dosage Dispensed = 1.080 at lock up
Rest Dosimat / Colorimeter and program - check micro value.

ROSETTE LOG

MISSION ID: 9928
STATION NAME: EF02

UTC DATE y/m/d: 99/07/08
CAST NUMBER: 139

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	955	1105	3.215	70	66	✓												
2	956	727	2.889	60	60	✓												
3	957	734	2.848	50	50	✓												
4	958	735	1.453	40	40	✓												
5	959	1128	1.574	30	30	✓												
6	960	1142	4.405	20	20	✓												
7	961	1062	6.211	10	10	✓												
8	962	1133	8.276	0	etc	✓												
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 72

Cast # down:
Cast # up:

Time LOC UTC
Begin: 18:14
Bottom:
End:

START POSITION (GPS)
LAT: 49 04 : 980
LONG: 125 10.310

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:**STATION NAME:**

UTC DATE y/m/d:

CAST NUMBER:

SHIP:

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

ROSETTE OPERATION

Samples taken

SAL		NUT		ALK		TCO
	OXY		CHL		C13	

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

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

Begin: 1840

Bottom:

2 End:

START POSITION (GPS)

LAT: 49 04.460

LONG: 125 09.694

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

~~Spring~~ Relief valve on BOTTLE #6 was left open

* Does this flask exist in Flask file but without K Factor?

ROSETTE LOG

MISSION ID: 9928
STATION NAME: EF03

UTC DATE y/m/d: 99/07/08
CAST NUMBER: 142

SHIP: 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								
1	974	1134	3.330		bott-5	117		✓										
2	975	534	2.924		110	110	✓	✓										
3	976	255	2.837		100	100	✓	✓										
4	977	333	3.021		90	90	✓	✓										
5	978	392	3.081		80	79		✓										
6	979	443	3.335		70	70		✓										
7	980	337	3.233		60	60		✓										
8	981	425	3.332		50	50		✓										
9	982	486	2.346		40	40		✓										
10	983	467	3.236		30	30		✓										
11	984	509	4.752		20	20		✓										
12	985	84	5.986		10	10		✓										
13	986	572	8.070		0	Ø		✓										
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:

Bottom Depth: 120

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1917
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 04 25
LONG: 125 09 40

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

done

ROSETTE LOG

MISSION ID: 9928
STATION NAME: EF03B

UTC DATE y/m/d: 99/07/09
CAST NUMBER: 143

SHIP: fully

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	987	535	2.819	Bot-5	110													
2	988	578	2.922	100	100													
3	989	588	2.939	90	90													
4	990	641	2.951	80	80													
5	991	708	3.139	70	70													
6	992	715	3.133	60	60													
7	993	695	3.154	50	51		* wrong depth entered - should be 50m											
8	994	697	2.541	40	40													
9	995	657	3.008	30	30													
10	996	709	4.985	20	20													
11	997	712	6.422	10	10													
12	998	713	8.032	0	0													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:

Bottom Depth: 120

Cast # down: 143
Cast # up: 143

Time	LOC	UTC
Begin:		1940
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 04 026
LONG: 125 09 125

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID:

9928

UTC DATE y/m/d:

99/07/09

STATION NAME:

EF03A

CAST NUMBER:

144

SHIP:

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					
1	1000	1233	3.083		Bot - 5	90		X										
2	1001	1230	3.018		80	80		X										
3	1002	1231	3.064		70	71		X										
4	1003	1238	3.153		60	60		X										
5	1004	632	3.234		50	49.3		X										
6	1005	1228	2.643		40	40		X										
7	1006	1247	3.039		30	30		X										
8	1007	1223	4.902		20	20		X										
9	1008	1225	6.629		10	10		X										
10	1009	1234	7.847		0	0		X										
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 106

Cast # down: 144

Cast # up:

Time LOC UTC

Begin: 2019

Bottom:

End: 2034

START POSITION (GPS)

LAT: 49 03.787

LONG: 125 09.069

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments: