

ROSETTE LOG

MISSION ID: 9744
STATION NAME: S3UTC DATE y/m/d: 99/10/03
CAST NUMBER: 2SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO in ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO						
1	1	84	9.3	bot-5	210.3	✓ 31.1975	↑	↑											H ₂ S 0.000
2	2	97	9.3	200	200.7	✓ 31.1937													H ₂ S 0.000
3	3	99	9.3	175	175.7	✓ 31.1817													H ₂ S 0.000
4	4	207	9.3	150	150.6	✓ 31.1599													0.000
5	5	255	9.3	125	125.6	✓ 31.0779													0.124
6	6	332	9.2	100	100.6	✓ 30.9772	↓												0.157
7	7	333	9.8	75	75.6	✓ 30.6972													1.949
8	8	337	10.2	50	50.5	✓ 30.0806													2.440
9	9	376	10.8	30	30.5	✓ 29.4236													2.775
10	10	364	11.0	20	20.6	✓ 29.0232													3.199
11	11	380	11.1	10	10.5	✓ 28.7603													3.784
12	12	392	11.1	0	0.4	✓ 27.5487	↓												4.970
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

ENTERED BY:
CHECKED BY:Bottom Depth: 220Cast # down: 1Cast # up: 2Time LOC UTC
Begin: 02:59:52
Bottom:
End:START POSITION (GPS)
LAT: 40 35.31 N
LONG: 123 30.11 WBOTTOM POSITION (GPS)
LAT:
LONG:END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: Kn 1

UTC DATE y/m/d: 97/11/04
CAST NUMBER: 4

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	13	394	9.2	235	235.8	✓ 30.9375	↑										3.455
2	14	412	9.2	200	200.7	✓ 30.9178	↑										3.484
3	15	418	9.2	175	175.5	✓ 30.8940	↑										3.463
4	16	420	9.2	150	150.3	✓ 30.8786	↓										3.479
5	17	425	9.2	125	124.9	✓ 30.8260											3.482
6	18	443	9.2	100	99.5	✓ 30.7847											3.501
7	19	451	9.1	75	74.7	✓ 30.6143											3.551
8	20	463	9.1	50	50.2	✓ 30.4374											3.619
9	21	469	9.1	30	30.4	✓ 29.8099											3.963
10	22	485	9.1	20	20.6	✓ 29.5306											4.230
11	23	486	8.9	10	10.7	✓ 27.6216											5.184
12	24	496	8.8	0	0.3	✓ 26.0965											5.568
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

DO ml/l.

ENTERED BY:
CHECKED BY:

Bottom Depth: 253

Cast # down: 3

Cast # up: 4

Time LOC (UTC)
Begin: 21:34:14
Bottom: 21:35:14
End: 21:44:24

START POSITION (GPS)
LAT: 50 38.13
LONG: 126 25.42

BOTTOM POSITION (GPS)
LAT: 50 38.11
LONG: 126 25.41

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: Kn2UTC DATE y/m/d: 97/11/04
CAST NUMBER: 6SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										Do ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
								OXY		CHL		CI3					
1	25	333	9.2	170	170.8	✓	30.9144	↑									3.470
2	26	337	9.1	150	150.7	✓	30.8616	↓									3.475
3	27	99	9.1	125	125.6	✓	30.8105										3.478
4	28	207	8.9	100	100.6	✓	30.6459										3.551
5	29	255	8.6	75	75.7	✓	30.4223										3.650
6	30	332	9.0	50	50.8	✓	30.3029										3.681
7	31	84	9.1	30	30.6	✓	29.9005										3.874
8	32	97	9.1	20	20.7	✓	29.5544										4.016
9	33	376	8.9	10	10.7	✓	26.7368										4.442
10	34	364	8.6	0	0.09	✓	24.5108										5.682
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY:
CHECKED BY:Bottom Depth: 181Cast # down: 5Cast # up: 6

Time	LOC	UTC
Begin:	<u>2245</u>	
Bottom:	<u>2255</u>	
End:	<u>2303</u>	

START POSITION (GPS)		
LAT:	<u>50</u>	<u>39.34</u>
LONG:	<u>126</u>	<u>11.02</u>

BOTTOM POSITION (GPS)		
LAT:	<u>50</u>	<u>39.35</u>
LONG:	<u>126</u>	<u>11.06</u>

END POSITION (GPS)		
LAT:		
LONG:		

ROSETTE LOG

MISSION ID: 9704
STATION NAME: Kn 4

UTC DATE y/m/d: 97/11/05
CAST NUMBER: 8

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
								OXY		CHL		C13					
1	35	1032	8.1	411	411.3	✓	31.1442	Δ									3.307
2	36	1036	8.1	400	400.8	✓	31.1441										3.297
3	37	1045	8.1	300	301.1	✓	31.1380										3.327
4	38	1052	8.1	250	250.7	✓	31.1128										3.364
5	39	1062	8.1	200	200.7	✓	31.0507										3.516
6	40	1090	8.0	175	175.5	✓	30.9905										3.635
7	41	1103	7.8	150	150.2	✓	30.8684	⊥									3.912
8	42	1104	8.1	125	125.0	✓	30.7123										3.854
9	43	1105	8.3	100	100.5	✓	30.5461										3.742
10	44	1106	8.4	75	75.7	✓	30.4851										3.724
11	45	1110	8.6	50	50.8	✓	30.1345										3.746
12	46	1113	8.7	30	30.8	✓	29.7712										3.829
13	47	1114	8.7	20	20.9	✓	29.5851										3.900
14	48	1119	8.9	10	10.9	✓	28.5650										4.241
15	49	1122	8.3	0	0.6	✓	22.8374										5.426
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: D.A. + J.S.
CHECKED BY:

Bottom Depth: 441

Cast # down: 7
Cast # up: 8

Time LOC (UTC)
Begin: 00:05:42
Bottom: 00:15:17 5/11/97
End: 00:31:44 5/11/97

START POSITION (GPS)
LAT: 50°40.68 N
LONG: 125°56.28 W

BOTTOM POSITION (GPS)
LAT: 50°40.64 N
LONG: 125°56.35 W

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: Kn5UTC DATE y/m/d: 97/11/05
CAST NUMBER: 10

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO m/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
								OXY		CHL		C13					
1	50	1126	8.0	374	374.5	✓ 31.1654	↑										3.355
2	51	1128	8.0	300	300.7	✓ 31.1365											3.401
3	52	1130	8.0	250	250.5	✓ 31.0871											3.497
4	53	1132	8.0	200	200.6	✓ 31.0107											3.641
5	54	1133	7.8	175	175.6	✓ 30.8908											3.883
6	55	1134	7.9	150	150.8	✓ 30.8541											3.884
7	56	1135	7.8	125	126.0	✓ 30.6696											4.153
OK 8	57	1136	8.3	100	101.0	✓ 30.5282										*	3.776
9	58	1137	8.5	75	76.0	✓ 30.3605											3.690
10	59	1138	8.7	50	50.8	✓ 30.0940											3.722
11	60	1139	8.7	30	31.0	✓ 29.8042											3.793
12	61	1141	8.7	20	20.9	✓ 29.1832											3.959
13	62	1142	8.7	10	11.0	✓ 28.6628											4.125
14	63	1143	8.0	0	0.6	✓ 18.1612											5.219
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

* Deck #57 - should be flask # 1136 - checked - it's correct. 98.

ENTERED BY:

CHECKED BY:

Bottom Depth: 400

Cast # down: 9

Cast # up: 10

Time LOC UTC

Begin: 01:18:58

Bottom:

End: 0133

START POSITION (GPS)

LAT: 50 41.58 N

LONG: 125 46.97 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9744

UTC DATE y/m/d: 27/11/05

SHIP: VECTOR

STATION NAME: Kn7

CAST NUMBER: 12

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	64	394	8.1	510	509.5	✓ 31.2399	↑										3.184
2	65	412	8.1	500	497.8	✓ 31.2380	↑										3.207
3	66	418	7.9	400	401.2	✓ 31.1746	↑										3.524
4	67	420	7.8	300	300.5	✓ 31.0838	↑										3.732
5	68	425	7.9	250	250.4	✓ 31.0676	↑										3.700
6	69	443	7.8	200	200.9	✓ 30.9900	↑										3.902
7	70	451	7.4	175	175.8	✓ 30.8827	↑										4.287
8	71	463	7.0	150	151.4	✓ 30.7260	↑										4.841
9	72	467	6.9	125	126.1	✓ 30.5770	↑										4.946
10	* 73	485	7.3	100	100.2	✓ 30.4600										*	4.758
11	74	486	8.3	75	75.2	✓ 30.4125											3.815
12	75	496	8.5	50	50.0	✓ 30.2354											3.637
13	76	333	8.6	30	30.2	✓ 29.7537											3.787
14	77	337	8.6	20	20.2	✓ 29.5056											3.790
15	78	99	8.6	10	10.2	✓ 28.3159											3.968
16	79	207	7.9	0	0.7	20.1767											4.823
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments: * # 73 entered wrong salinity - should be 30.4600 (NOT 30.4125)

ENTERED BY:

CHECKED BY:

Bottom Depth: 520

Cast # down: 11

Cast # up: 12

Time LOC UTC

Begin: 02:49:26

Bottom:

End:

START POSITION (GPS)

LAT: 50 48.01 N

LONG: 125 37.41 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Correct file
but probably make
only a small
e-flux in DO.

ROSETTE LOG

MISSION ID: 9744
STATION NAME: Kn9UTC DATE y/m/d: 97/11/05
CAST NUMBER: 14SHIP: VECTOR

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	80	255	7.9	396	397.8	✓	31.1805	↑									3.406
2	81	332	7.4	300	300.9	✓	31.0152										4.099
3	82	84	7.2	250	250.9	✓	30.9314										4.373
4	83	97	7.1	200	200.8	✓	30.8411										4.626
5	84	376	6.9	175	175.8	✓	30.7666										4.892
6	85	364	6.8	150	150.8	✓	30.6055										4.958
7	86	280	6.9	125	125.7	✓	30.4755										4.903
8	87	392	7.3	100	100.7	✓	30.3550										4.838
9	88	509	7.6	75	75.7	✓	30.2092										4.640
10	89	527	8.2	50	50.7	✓	30.0829										4.061
11	90	534	8.2	30	30.7	✓	29.7543										4.215
12	91	572	8.1	20	20.8	✓	29.3475										4.367
13	92	535	8.3	10	10.8		28.6449										4.471
14	93	578	7.1	0	0.8		11.3339										6.666
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

DO
ml/l

ENTERED BY:

CHECKED BY:

Bottom Depth: 415Cast # down: 13Cast # up: 14

Time LOC UTC

Begin: 104:15:34

Bottom:

End:

START POSITION (GPS)

LAT: 50 54.37 NLONG: 125 32.74 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: Rn11UTC DATE y/m/d: 97/11/05
CAST NUMBER: 16

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO (Sat)	DO ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	94	1032	7.0	200	200.4	✓ 30.8451												4.548
2	95	1036	6.8	150	150.4	✓ 30.6709												4.804
3	96	1045	6.9	125	125.8	✓ 30.5333												4.802
4	97	1052	6.9	100	100.7	✓ 30.4337												4.808
5	98	1062	7.0	75	75.8	✓ 30.3149												4.810
6	99	1090	7.3	50	50.7	✓ 29.9354												4.749
7	100	1103	7.5	30	30.7	✓ 29.6542												4.813
8	101	1104	7.6	20	20.9	✓ 29.4140												4.900
9	102	1105	8.0	10	10.8	✓ 28.7902												5.083
10	103	1106	6.8	0	0.7	✓ 10.1070											7.986	6.519
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 209

Cast # down: 15

Cast # up: 16

Time LOC UTC

Begin: 05128.46

Bottom:

End:

START POSITION (GPS)

LAT: 51 02.47N

LONG: 125 33.93W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: FrS1UTC DATE y/m/d: 97/11/5
CAST NUMBER: 18SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											DO ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		CI3						
1	104	1145	8.1	230	230.4	✓	27.3211	↑									H2S	0.000
2	105	1146	8.1	200	200.2	✓	27.3173										H2S	0.000
3	106	1148	8.1	175	175.2	✓	27.3127										H2S	0.000
4	107	1150	8.1	150	150.3	✓	27.2971										H2S	0.000
5	108	1152	8.1	125	125.5	✓	27.2580										H2S	0.000
6	109	1153	8.1	100	100.4	✓	27.1450											0.062
7	110	1154	8.1	75	75.6	✓	26.8773											1.545
8	111	1155	8.3	50	50.6	✓	26.1013											3.250
9	112	1157	9.8	30	30.5	✓	24.9204											4.306
10	113	1158	10.7	20	20.6	✓	24.0965											4.370
11	114	1160	11.0	10	10.7	✓	21.0114											4.995
12	115	1167	9.5	0	0.6	✓	11.1142	0									329.617 7.439	6.692
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:Bottom Depth: 242Cast # down: 17Cast # up: 18

Time	LOC	UTC
Begin:	<u>23:47:00</u>	
Bottom:		
End:		

START POSITION (GPS)	
LAT:	<u>51 02.23 N</u>
LONG:	<u>126 42.96 W</u>

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)	
LAT:	
LONG:	

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/06

SHIP:

VECTOR

STATION NAME:

Se 8

CAST NUMBER:

20

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
								OXY		CHL		C13					
1	116	1168	9.2	123	123.2	✓	28.6983										2.178
2	117	1169	8.9	100	100.2	✓	28.4096										3.169
3	118	1171	8.2	75	75.2	✓	27.8196										4.508
4	119	1173	9.1	50	50.3	✓	27.6354										4.422
5	120	1174	10.2	30	30.4	✓	27.4649										4.223
6	121	1175	10.3	20	20.3	✓	27.3605										4.195
7	122	1176	10.5	10	10.4	✓	26.6670										4.037
* 8	123	1177	9.2	0	0.5	✓	4.2242									8.216 *	8.569
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

* #123 End pt. was reached when colorimeter was 92.5 - Zero Set pt in mo was 100.1

Note: Station name in computer file may be incorrect. Should be Se 8 (NOT Frs1)

ENTERED BY:

CHECKED BY:

Bottom Depth:

133

Cast # down:

19

Cast # up:

20

Time LOC UTC

Begin: 01:17:19

Bottom:

End:

START POSITION (GPS)

LAT: 51 11.01 N

LONG: 126 39.46 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

check for
satellite value

ROSETTE LOG

MISSION ID: 9744
STATION NAME: Se7.5UTC DATE y/m/d: 97/11/06
CAST NUMBER: 22

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
								OXY		CHL		C13					
1	124	1114	9.3	360	360.2	✓	29.0178										1.507
2	125	1119	9.3	300	300.4	✓	29.0152										1.541
3	126	1122	9.3	250	250.4	✓	29.0110										1.559
4	127	1126	9.3	200	200.3	✓	28.9996										1.561
5	128	1128	9.3	175	175.5	✓	28.9822										1.596
6	129	1130	9.3	150	150.4	✓	28.9356	✓									1.735
7	130	1132	9.3	125	125.8	✓	28.7101										2.334
8	131	1133	8.6	100	100.3	✓	28.2130										3.659
9	132	1134	8.3	75	75.3	✓	27.7977										4.688
10	133	1135	10.1	50	50.2	✓	27.7385										4.385
11	134	1136	10.6	30	30.4	✓	27.5214										4.236
12	135	1137	10.6	20	20.5	✓	27.2302										4.248
13	136	1138	10.7	10	10.5	✓	26.4060										4.313
14	137	1139	7.8	0	0.6		5.6713										7.374
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments: * Chlorometer and pt. for #137 was 95.6 MQ was 99.7.

ENTERED BY:

CHECKED BY:

Bottom Depth: 371

Cast # down: 21

Cast # up: 22

Time LOC UTC

Begin: 02:01:51

Bottom:

End:

START POSITION (GPS)

LAT: 51 08.10 N

LONG: 126 41.72 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: S6

UTC DATE y/m/d: 97/11/06
CAST NUMBER: 24

SHIP: Vector

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	138	2014	9.3	522	522.8	✓ 29.1066	↑										1.386
2	139	2015	9.3	500	499.7	✓ 29.1063											1.383
3	140	2017	9.3	400	400.5	✓ 29.1000											1.494
4	141	2019	9.3	300	300.1	✓ 29.0856											1.566
5	142	2025	9.3	250	250.3	✓ 29.0503											1.647
6	143	2027	9.3	200	200.3	✓ 29.0035											1.715
7	144	2032	9.3	175	175.4	✓ 28.9843											1.731
8	145	2033	9.4	150	150.4	✓ 28.9470	↓										1.960
9	146	2035	9.4	125	125.5	✓ 28.8065											2.482
10	147	2036	8.7	100	100.5	✓ 28.2859											3.860
11	148	2038	8.5	75	75.6	✓ 27.8617											4.701
12	149	2040	10.7	50	50.6	✓ 27.9266											4.247
13	150	2044	9.9	30	30.7	✓ 27.3259											4.361
14	151	587	10.4	20	20.8	✓ 26.9237											4.496
15	152	588	10.6	10	10.7	✓ 24.9326											4.511
16	153	2043	9.3	0	0.9	✓ 14.7723											6.281
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:
CHECKED BY:

Bottom Depth: 535

Cast # down: 23
Cast # up: 24

Time LOC UTC
Begin: 03:23:07
Bottom:
End:

START POSITION (GPS)
LAT: 51 04.35 N
LONG: 126 52.27 W

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: Se5UTC DATE y/m/d: 97/11/06
CAST NUMBER: 26SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l.
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
								OXY		CHL		CI3					
1	154	1145	9.3	600	600.5	29.1106											1.353
2	155	1146	9.3	500	500.0	29.1076											1.485
3	156	1148	9.3	400	399.5	29.1023											1.479
* 4	157	1150	9.3	300	299.5	29.0746										2	1.613
* 5	158	1152	9.3	250	250.2	29.0309										?	1.729
* 6	159	1153	9.4	200	200.4	29.0018										1	1.731
7	160	1155	9.4	175	175.5	28.9885											1.881
8	161	1157	9.4	150	150.6	28.9555											2.270
9	162	1158	9.4	125	125.6	28.7995											2.888
10	163	1160	8.9	100	100.8	28.3492											3.934
11	164	1167	8.8	75	75.9	27.9110											4.695
12	165	1168	10.4	50	50.7	27.9184											4.239
13	166	1169	10.0	30	31.0	27.4560											4.532
14	167	1171	10.0	20	20.9	26.8655											4.697
15	168	1173	10.8	10	10.9	24.7556											4.542
16	169	1174	9.4	0	0.7	15.3384											6.613
17																	
18																	
19																	
* 20	1598	1154	9.4	200	200.4	29.0018											1.820
21																	
22																	
23																	
24																	

ENTERED BY:

CHECKED BY:

Bottom Depth: 615Cast # down: 25Cast # up: 26Time LOC UTCBegin: 04:33:39

Bottom:

End:

START POSITION (GPS)

LAT: 51 04.28 NLONG: 127 00.63 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END PO

LAT:

LONG:

Comments: TROUBLE: FLASK #1150 had NO LABELNISKIN 4 #157 → Flask 1152NISKIN 5 #158 → Flask 1153} Check temp Depth, Salinity, metal Niskin #

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/06

SHIP:

VECTOR

STATION NAME:

SEM

CAST NUMBER:

28

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
								OXY		CHL		CI3					
1	170	1032	9.3	530	530.3	✓	29.1080										1.377
2	171	1036	9.3	500	500.6	✓	29.1069										1.402
3	172	1045	9.3	400	400.4	✓	29.1027										1.421
4	173	1052	9.3	300	300.3	✓	29.0768										1.567
5	174	1062	9.3	250	250.3	✓	29.0315										1.760
6	175	1090	9.4	200	200.4	✓	29.0031										1.894
* 7	176	1103	9.4	175	175.3	✓	28.9897										2.027
8	177	1104	9.4	150	150.4	✓	28.9550										2.294
9	178	1105	9.3	125	125.5	✓	28.7399										3.094
10	179	1106	9.1	100	100.5	✓	28.3959										3.861
11	180	1110	8.8	75	75.6	✓	27.9692										4.654
12	181	1113	10.4	50	50.6	✓	27.9401										4.215
13	182	1114	9.7	30	30.7	✓	27.3243										4.566
14	183	1119	9.7	20	20.7	✓	26.7705										4.656
15	184	1122	10.8	10	10.7	✓	24.6590										4.771
16	185	1126	9.4	0	0.7	✓	14.8193										6.704
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:

CHECKED BY:

Bottom Depth: 533

Cast # down: 27

Cast # up: 28

Time LOC UTC

Begin: 05:39:41

Bottom:

End:

START POSITION (GPS)

LAT: 51 03.15N

LONG: 127 08.00 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments: # 176 paused during titration of # 176, then elapsed time ran a mark - i.e. 12/6285 seconds after # 177. Time should have 4 dec. places. - 6285 doesn't change. Problem corrected itself in next file. Nevermind.

ROSETTE LOG

MISSION ID: 9744
STATION NAME: SE3

UTC DATE y/m/d: 97/11/06
CAST NUMBER: 30

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	186	2014	9.3	430	429.5	29.1044											DO ml/l
2	187	2015	9.3	400	399.7	29.1018											1.230
3	188	2017	9.3	300	299.8	29.0704											1.293
4	189	2019	9.3	250	250.0	29.0296											1.438
5	190	2025	9.3	200	200.0	28.9942											1.660
6	191	2027	9.3	175	175.1	28.9800											1.938
7	192	2032	9.3	150	150.0	28.9427											2.063
8	193	2033	9.3	125	124.9	28.7922											2.250
9	194	2035	9.4	100	100.0	28.4513											2.873
10	195	2036	9.0	75	75.4	28.0106											3.801
11	196	2038	10.2	50	50.4	27.8567											4.519
12	197	2040	9.7	30	30.8	27.4013											4.292
13	198	2044	9.7	20	20.8	26.9109											4.526
14	199	587	9.8	10	10.9	25.1726											4.669
15	200	2043	9.4	0	0.10	14.7012											4.885
16																	6.581
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:
CHECKED BY:

Bottom Depth: 446

Cast # down: 29
Cast # up: 30

Time LOC UTC
Begin: 06:44:31
Bottom:
End:

START POSITION (GPS)
LAT: 51 02.84 N
LONG: 127 15.51 W

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: Se2

UTC DATE y/m/d: 97/11/06
CAST NUMBER: 32

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											DO ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	201	588	9.7	80	79.5	27.7077												4.479
2	202	597	9.7	75	74.4	27.6788												4.450
3	203	630	9.7	50	49.8	27.1773												4.641
4	204	632	9.7	30	30.6	26.7691												4.890
5	205	638	9.7	20	20.6	26.7164												4.926
6	206	641	9.7	10	10.6	25.6621												4.993
7	207	650	9.6	0	0.7	20.0188												6.075
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 92

Cast # down: 31

Cast # up: 32

Time LOC UTC
Begin: 08:02:33
Bottom:
End:

START POSITION (GPS)
LAT: 51 03.52 N
LONG: 127 23.31 W

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/06

SHIP: VECTOR

STATION NAME:

NUS2

CAST NUMBER:

34

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											DO ml/l			
					Trip pressure	Confirmed Salinity	SAL	OXY	NUT	CHL	ALK	C13	TCO								
1	208	1032	9.2	117	117.3	✓	29.0195	0											H2S	0.000	
2	209	1036	9.2	100	100.5	✓	28.9863												H2S	0.000	
3	210	1045	9.1	75	75.4	✓	28.9419													0.094	
4	211	1052	8.7	50	50.5	✓	28.7284													1.536	
5	212	1062	8.6	30	30.6	✓	28.5974													1.908	
6	213	1090	9.3	20	20.5	✓	27.8914													2.979	
7	214	1103	10.8	10	10.6	✓	26.7131													4.14	
8	215	1104	9.7	0	0.7	✓	15.6666													6.06	
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC

UTC

Begin: 17:40:18

Bottom:

End:

START POSITION (GPS)

LAT: 51 05.35 N

LONG: 127 13.34 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/06

SHIP: 9744

VECTOR

STATION NAME:

MeSz

CAST NUMBER:

36

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	216	1105		150													DO ml/l
2	217	1106		125													0.125
3	218	1110		100													0.136
4	219	1113		75													0.365
5	220	1114		50													0.577
6	*221	1119		30													1.677
7	222	1122		20													6.882
8	223	1126		10													4.385
9	224			0													4.690
10																	7.505
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

BORING CAST. Rosettes broke here

No temp! Salinity entered

Depth in metres

#6 - Overhauled - forgot stir bar. Sorry. EB

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

36

Time LOC UTC

Begin: 2309 UTC

Bottom: 2319 (75m)

End:

START POSITION (GPS)

LAT: 51 16.4 N

LONG: 127 18.1 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Enter 1st 60s
in file.From
Parsons's List
NOT ENTERED
IN Program

ROSETTE LOG

MISSION ID: 9744
STATION NAME: Mes1

UTC DATE y/m/d: 97/11/06
CAST NUMBER: 37

SHIP: JECOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	225	1130		160													0.240
2	226	1132		150													0.100
3	227	1133		125													0.279
4	228	1134		100													0.439
5	229	1135		75													0.623
6	230	1136		50													2.176
7	231	1137		30													4.140
8	232	1138		20													4.544
9	233	1139		10													4.723
10	234	1141		0													7.509
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC
Begin: 2352
Bottom:
End:

START POSITION (GPS)
LAT: 51 11.9 N
LONG: 127 21.0 W

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:

From Dario's List
NOT ENTERED IN PROGRAM

Enter (lat & long) in file.

Comments: BOOLE CAST

ROSETTE LOG

MISSION ID: 9744
STATION NAME: Be7

UTC DATE y/m/d: 97/11/06
CAST NUMBER: 38

(local time)

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	235	1145		250													0.211
2	236	1146		200													0.232
3	237	1148		175													0.247
4	238	1150		150													0.262
5	239	1152		125													0.175
6	240	1153		100													0.144
7	241	1154		75													0.156
8	242	1155		50													3.390
9	243	1157		30													3.264
10	244	1158		20													3.667
11	245	1160		10													4.178
12	246	1167		10													7.175
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: APL + AIS
CHECKED BY:

Bottom Depth: 255

Cast # down: 38
Cast # up:

Time (LOC) UTC
Begin: 18:37 02:37 Messenger
Bottom:
End:

START POSITION (GPS)
LAT: 51°06.32 N
LONG: 126 55.73 W

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: BOTTLE CAST

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/07

SHIP:

VECTOR

STATION NAME:

Be6

CAST NUMBER:

39

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
								OXY		CHL		C13					
1	247	1168		320													0.254
2	248	1171		250													0.628
3	249	1173		200													1.124
4	250	1174		175													1.223
5	251	1175		150													1.429
6	252	1176		125													1.034
7	253	1177		100													0.650
8	254	1178		75													0.377
9	255	1180		50													3.739
10	256	1182		30													4.285
11	257	1183		20													4.307
12	258	1187		10													4.480
13	259	1188		0													7.134
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY:

DSS

CHECKED BY:

Bottom Depth:

331

Cast # down:

39

Cast # up:

Time

LOC

UTC

Begin:

19:19 03:19

Bottom:

End:

START POSITION (GPS)

LAT:

51 06.57 N

LONG:

127 02.07 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Mess.

ROSETTE LOG

MISSION ID:

9744

STATION NAME:

Be5

UTC DATE y/m/d:

97/11/07

CAST NUMBER:

40

SHIP:

VECTOR

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

ROSETTE OPERATION

Trip
pressure

Confirmed
Salinity

SAL
OXY

NUT
CHL

Samples taken

ALK
C13

TCO

DO
ml/l

1	259B	1032		265															0.915
2	260	1026		250															1.386
3	261	1045		200															1.688
4	262	1052		150															2.127
5	263	1062		125															1.774
6	264	1090		100															1.628
7	265	1103		75															1.132
8	266	1104		50															3.951
9	267	1105		30															4.414
10	268	1106		20															4.690
11	269	1110		10															4.426
12	270	1113		0															7.415
13	271	1114		175															1.814
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments: 269 Added Reagents = 1 HR LATE

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

40

Cast # up:

Time

LOC

UTC

Begin:

20:13

0413

Bottom:

End:

START POSITION (GPS)

LAT:

31 07.211

LONG:

127 08.636

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: GE4UTC DATE y/m/d: 97/11/07
CAST NUMBER: 41

SHIP: VECTOR

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

ROSETTE OPERATION		Samples taken												DO m/s
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO						
			OXY		CHL		C13							
1	272	1119		350										0.855
2	273	1122		300										0.906
3	274	1128		250										0.878
4	275	1128		200										1.600
5	276	1130		150										2.041
6	277	1132		125										2.179
7	278	1133		100										2.002
8	279	1134		75										2.198
9	280	1135		50										4.081
10	281	1136		30										4.632
11	282	1137		20										4.874
12	283	1138		10										4.996
13	284	1139		0										7.338
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Comments: MISSING LAT & LONG

ENTERED BY: JSS

CHECKED BY:

Bottom Depth: 373m

Cast # down:

Cast # up:

Time LOC

UTC

Begin: 21:14

0514

Bottom:

End:

START POSITION (GPS)

LAT: 51°07.8'N

LONG: 127°15.4'W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: 959

UTC DATE y/m/d: 97/11/07
CAST NUMBER: 42

SHIP: VECTOR

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

ROSETTE OPERATION		Samples taken												DO ml/l.
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO						
			OXY		CHL		C13							

1	285	2014		280															1.248
2	286	2015		250															1.362
3	287	2017		200															1.606
4	288	2019		175															1.734
5	289	2025		150															1.835
6	290	2027		125															2.020
7	291	2032		100															2.348
8	292	2033		75															2.759
9	293	2035		50															4.011
10	294	2036		30															4.690
11	295	2038		20															4.800
12	296	2040		10															5.117
13	297	2044		0															7.069
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments: MISSING LAT & LONG.

ENTERED BY: JDS
CHECKED BY:

Bottom Depth: 286m

Cast # down:
Cast # up:

Time ~~LOC~~ UTC
Begin: ~~22:11~~ 0611
Bottom:
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 51° 07.85' N
LONG: 127° 22.22' W

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: 8e2UTC DATE y/m/d: 97/11/07
CAST NUMBER: 43

SHIP: VECTOR

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

ROSETTE OPERATION		Samples taken												DO ml/l
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO						
		OXY		CHL		C13								
1	298	587	175											1.601
2	299	2043	150											1.733
3	300	588	125											1.956
4	301	597	100											2.365
5	302	630	75											2.760
6	303	632	50											3.856
7	304	638	30											4.659
8	305	641	20											4.767
9	306	650	10											5.248
10	307	657	0											6.882
11	308	697	185											1.590
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 43

Cast # up:

Time	LOC	UTC
Begin:	23:03	0703
Bottom:		
End:		

START POSITION (GPS)	
LAT:	51 07.91
LONG:	127 30.56

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

Trip	Confirmed
Pressure	Salinity

Samples taken

SAL		NUT		ALK		TCO				
	OXY		CHL		C13					

DO
we / l

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT: 51 31.098N

LONG: 127 33.717 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments: #321 - error message "Divide by zero in line 0 of module history at address 0725:5C70"

ROSETTE LOG

MISSION ID: 9744
STATION NAME: R.3UTC DATE y/m/d: 7/11/97
CAST NUMBER: 45SHIP: VECTORNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

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

1	322	1119		320										2.268
2	323	1122		250										2.314
3	324	1126		200										2.266
4	325	1128		175										2.419
5	326	1130		150										2.734
6	327	1132		125										3.045
7	328	1133		100										3.725
8	329	1134		75										4.365
9	330	1135		50										4.913
10	331	1136		30										4.912
11	332	1137		20										4.780
12	333	1138		10										4.996
13	334	1139		0										6.331
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

ENTERED BY: DJS

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC

Begin: 131215Z 2152UTC

Bottom:

End:

START POSITION (GPS)

LAT: 51 35.886LONG: 127 32.095

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/07

STATION NAME:

Ri4

CAST NUMBER:

46

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
								OXY		CHL		C13					
1	335	1145		290													2.126
2	336	1146		250													2.187
3	337	1148		200													2.161
4	338	1150		175													2.273
5	339	1152		150													2.593
6	340	1153		125													2.895
7	341	1154		100													3.632
8	342	1155		75													4.372
9	343	1157		50													4.756
10	344	1158		30													4.799
11	345	1173		20													4.722
12	346	1167		10													5.123
13	347	1171		0													6.519
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1453 PST 2253 UTC

Bottom:

End:

START POSITION (GPS)

LAT: 51 38.913

LONG: 127 26.708

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: Ri5

UTC DATE y/m/d: 97/11/07
CAST NUMBER: 47

SHIP: VECTOR

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

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

1	348	1168	190																2.103
2	349	1160	175																2.291
3	350	1174	150																2.577
4	351	1175	125																2.977
5	352	1176	100																4.126
6	353	1177	75																4.401
7	354	1178	50																4.477
8	355	1180	30																4.601
9	356	1182	20																4.698
10	357	1183	10																4.837
11	358	1187	0																5.703
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time LOC UTC
Begin: 15:41
Bottom:
End:

START POSITION (GPS)
LAT: 51° 40.7'N
LONG: 127° 19.9'W

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/08

STATION NAME:

Ri6

CAST NUMBER:

48

SHIP: VECTOR

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

ROSETTE OPERATION		Samples taken												DO ml/l
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO						
			OXY		CHL		C13							
1	359	2014		200										2.006
2	360	2015		175										2.133
3	361	2017		150										2.476
4	362	2025		125										2.913
5	363	2019		100										3.547
6	364	2027		75										4.395
7	365	2032		50										4.518
8	366	2033		30										4.666
9	367	2035		20										4.775
10	368	2036		10										4.796
11	369	2038		0										7.753
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 207

Cast # down:

Cast # up:

Time ~~LOC~~ UTCBegin: ~~1646~~ Messenger

Bottom:

End:

START POSITION (GPS)

LAT: 51° 43.7' N

LONG: 127° 27.2' W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

00:46:00

97/11/08

from
my list

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/08

SHIP:

VECTOR

STATION NAME:

R-7

CAST NUMBER:

50

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	370	2043	8.2	230	230.4	✓	31.6083	↑									2.583
2	371	2044	8.2	200	200.7	✓	31.6028	↑									2.625
3	372	587	8.1	175	175.7	✓	31.5977	↑									2.609
4	373	588	8.1	150	150.5	✓	31.5920	↑									2.684
5	374	597	8.1	125	125.6	✓	31.5781										2.789
6	375	630	7.9	100	100.5	✓	31.4123										3.413
7	376	632	7.7	75	75.5	✓	30.8277										4.355
8	377	638	9.0	50	50.5	✓	30.2926										4.620
9	378	641	9.4	30	30.5	✓	29.9026										4.679
10	379	650	9.5	20	20.6	✓	29.6372										4.703
11	380	657	9.6	10	10.6	✓	29.2872										4.777
12	381	695	7.4	0	0.6	✓	4.3921										7.564
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments: #370 - Did not enter Temp & Salinity into Program. QB.

Rosette back in operation at this station

ENTERED BY:

CHECKED BY:

Bottom Depth: 242

Cast # down: 49

Cast # up: 50

Time LOC

UTC

Begin: 02:18:43

Bottom:

End:

START POSITION (GPS)

LAT: 51 46.76 N

LONG: 127 23.49 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/08

SHIP: VECTOR

STATION NAME:

R18

CAST NUMBER:

52

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	382	1032	8.1	143	143.1	-31.5858											DO ml/l
2	383	1036	8.1	125	125.6	-31.5702											2.208
3	384	1045	7.9	100	100.5	-31.4173											2.174
4	385	1052	7.6	75	75.6	-30.5825											2.831
5	386	1062	8.4	50	50.5	-30.1257											4.306
6	387	1090	8.8	30	30.5	-29.8104											4.739
7	388	1103	9.2	20	20.5	-29.5232											4.964
8	389	1104	9.4	10	10.5	-29.0144											4.956
9	390	1105	8.5	0	0.6	-10.3582											4.905
10																	7.045
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 160

Cast # down: 51

Cast # up: 52

Time LOC UTC

Begin: 03:07:41

Bottom:

End:

START POSITION (GPS)

LAT: 51 50.69 N

LONG: 127 21.67 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

1997/11/08

STATION NAME:

HA1

CAST NUMBER:

54

SHIP: VECTOR

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

ROSETTE OPERATION			Samples taken												DO ml/l
Trip pressure	Confirmed Salinity		SAL		NUT		ALK		TCO						
				OXY		CHL		C13							
1	391	1106	7.2	305	306.6	-	33.1579	↑							1.621
2	392	1110	7.2	250	250.2	-	33.1310	↑							1.854
3	393	1113	7.2	200	201.1	-	33.0744	↑							2.024
4	394	1114	7.4	175	176.1	-	32.9743	↑							2.149
5	395	1119	7.4	150	150.9	-	32.8927	↑							2.303
6	396	1122	7.6	125	125.9	-	32.6018	↑							2.718
7	397	1126	8.0	100	100.9	-	32.1217	↑							3.393
8	398	1128	8.1	75	75.7	-	31.0593	↑							4.487
9	399	1130	9.6	50	50.9	-	30.6447	↑							4.510
10	400	1132	9.9	30	30.8	-	30.3283	↑							4.739
11	401	1133	10.6	20	20.8	-	30.0588	↑							4.995
12	402	1134	10.9	10	10.8	-	29.4597	↑							5.010
13	403	1135	9.2	0	1.0	-	12.2007	↑							7.223
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:

CHECKED BY:

Bottom Depth: 315

Cast # down: 53

Cast # up: 54

Time LOC (UTC)

Begin: 05:23:32

Bottom:

End:

START POSITION (GPS)

LAT: 51 41.81 N

LONG: 127 33.31 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/08

SHIP: VECTOR

STATION NAME:

D02

CAST NUMBER:

56

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	404	1145	7.1	384	386.0	✓	32.9939										2.646
2	405	1146	7.2	300	300.9	✓	32.9088										2.916
3	406	1148	7.2	250	250.9	✓	32.7922										3.048
4	407	1150	7.4	200	199.9	✓	32.5525										3.209
5	408	1152	7.6	175	174.5	✓	32.4312										3.288
6	409	1153	8.1	150	151.1	✓	32.3161										3.331
7	410	1154	8.6	125	125.9	✓	32.0018										3.535
8	411	1155	9.1	100	100.9	✓	31.5946										3.873
9	412	1157	10.2	75	80.0	✓	31.1817										4.576
10	413	1158	10.7	50	50.9	✓	30.8362										5.064
11	414	1173	10.8	30	31.0	✓	30.6722										5.218
12	415	1167	10.7	20	21.1	✓	30.3068										5.296
13	416	1171	9.2	10	11.0	✓	27.1331										5.817
14	417	1168	8.3	0	0.7	✓	24.5940										6.377
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 394

Cast # down:

Cast # up: 56

Time LOC UTC

Begin: 2213

Bottom: 2221

End: 2235

START POSITION (GPS)

LAT: 53 26.91 N

LONG: 129 12.45 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

9711/09

SHIP: VECTOR

STATION NAME:

D04

CAST NUMBER:

58

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
								OXY		CHL		C13					
1	418	1160	7.2	320	321.6	32.8404											3.043
2	419	1174	7.2	250	250.6	32.7441											3.107
3	420	1175	7.4	200	200.0	32.5734											3.187
4	421	1176	7.7	175	175.4	32.3574											3.317
5	422	1177	7.9	150	150.0	32.1230											3.478
6	423	1178	8.2	125	125.3	31.9544											3.583
7	424	1180	8.6	100	100.1	31.5074											3.841
8	425	1182	10.1	75	74.8	31.1016											4.369
9	426	1183	10.6	50	49.7	30.9104											4.892
10	427	1187	10.7	30	29.9	30.7597											5.151
11	428	1188	10.7	20	20.3	30.6089											5.096
12	429	1189	10.4	10	10.0	30.0982											5.129
13	430	1190	8.3	0	0.1	25.5600											6.068
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 330

Cast # down:

Cast # up: 58

Time LOC UTC

Begin: 00:03:23

Bottom:

End:

START POSITION (GPS)

LAT: 53 37.50N

LONG: 129 12.25W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: D06UTC DATE y/m/d: 97/11/09
CAST NUMBER: 60

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											DO ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	431	1032	7.1	361.5	766	✓ 32.8917	✓											2.921
2	432	1036	7.1	300.7	300	✓ 32.8544	✓											2.994
3	433	1045	7.2	249.2	250	✓ 32.7366	✓											3.132
4	434	1052	7.3	197.3	200	✓ 32.5680	✓											3.240
5	435	1062	7.5	174.9	175	✓ 32.4734	✓											3.285
6	436	1090	7.7	149.9	150	✓ 32.2553	✓											3.384
7	437	1103	7.8	125.0	125	✓ 32.0332	✓											3.507
8	438	1104	8.2	102.7	100	✓ 31.6457	✓											3.736
9	439	1105	9.4	76.2	75	✓ 31.2509	✓											4.120
10	440	1106	10.6	51.6	50	✓ 30.9119	✓											4.747
11	441	1110	10.7	31.3	30	✓ 30.6963	✓											5.014
12	442	1113	10.5	21.0	20	✓ 30.3865	✓											4.970
13	443	1114	9.7	11.0	10	✓ 29.7144	✓											4.965
14	444	1119	7.4	0.8	0	✓ 22.5130	✓											6.093
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 374

Cast # down: 59

Cast # up: 60

Time LOC UTC

Begin: 01:32:55

Bottom:

End:

START POSITION (GPS)

LAT: 53 44.31 N

LONG: 129 01.29 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: G.1+UTC DATE y/m/d: 97/11/09
CAST NUMBER: 62SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO mll
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
								OXY		CHL		C13					
1	445	1122	5.8	180	181.6	-81.2382	Δ										3.823
2	446	1126	5.8	175	175.5	-81.2378	Δ										3.807
3	447	1128	5.8	150	150.4	-81.2361	Δ										3.843
4	448	1130	5.8	125	125.4	-81.2313											3.880
5	449	1132	5.9	100	100.3	-81.2025											4.001
6	450	1133	6.3	75	75.2	-80.8360											4.355
7	451	1134	7.5	50	50.3	-80.0731											4.583
8	452	1135	9.0	30	50.3	-29.6974											4.668
9	453	1136	9.1	20	20.4	-29.3401											4.720
10	454	1137	9.0	10	10.4	-28.0072											4.912
11	455	1138	8.5	0	1.3	-22.0962											5.807
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 195Cast # down: 61Cast # up: 62Time LOC UTCBegin: 03123129

Bottom:

End:

START POSITION (GPS)

LAT: 53 50.83NLONG: 128 58.18 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: 008UTC DATE y/m/d: 97/11/09
CAST NUMBER: 64

SHIP: VECTOR

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	456	1145	7.1	312	312.5	32.8638											2.925
2	457	1146	7.1	300	301.3	32.8389											2.960
3	458	1148	7.2	250	250.8	32.7164											3.302
4	459	1150	7.2	200	200.7	32.5646											3.334
5	460	1152	7.3	175	175.6	32.4712											3.395
6	461	1153	7.4	150	150.6	32.2244											3.488
7	462	1154	7.6	125	125.4	32.0036											3.616
8	463	1155	7.6	100	100.6	31.5084											3.984
9	464	1157	8.3	75	75.6	29.1392											4.204
10	465	1158	9.3	50	50.4	28.8844											4.468
11	466	1160	10.1	30	30.6	28.5489											4.818
12	467	1167	9.3	20	20.5	28.1128											4.798
13	468	1168	8.6	10	10.6	27.0496											5.127
14	469	1171	7.9	0	1.1	25.3122											5.812
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

DO
ml/lENTERED BY:
CHECKED BY:

Bottom Depth: 320

Cast # down: 63

Cast # up: 64

Time	LOC	UTC
Begin:	05:11:53	
Bottom:		
End:		

START POSITION (GPS)		
LAT:	53	50.75 N
LONG:	128	48.15 W

BOTTOM POSITION (GPS)		
LAT:		
LONG:		

END POSITION (GPS)		
LAT:		
LONG:		

Comments:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: D10

UTC DATE y/m/d: 17/11/09
CAST NUMBER: 66

SHIP: VECTOR

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	470	1173	7.2	140	141.6	31.9996											3.659
2	471	1174	7.3	125	125.5	31.8386											3.791
3	472	1175	6.8	100	100.4	31.3528											4.290
4	473	1176	7.1	75	75.4	30.7885											4.434
5	474	1177	8.4	50	50.4	30.3516											4.419
6	475	1178	8.6	30	30.4	29.9981											4.633
7	476	1180	8.6	20	20.5	29.8270											4.775
8	477	1182	8.6	10	10.4	29.5557											4.798
9	478	1183	8.2	0	1.0	27.8002											5.037
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:
CHECKED BY:

Bottom Depth: 153

Cast # down: 65
Cast # up: 66

Time LOC UTC
Begin: 06:30:04
Bottom:
End:

START POSITION (GPS)
LAT: 53 58.61 N
LONG: 128 40.64 W

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: Kh3

UTC DATE y/m/d: 97/11/09
CAST NUMBER: 68

SHIP: VECTOR

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	479	1032	8.2	50	50.4	✓	30.6038										DO ml/l
2	480	1036	8.2	30	30.2	✓	30.4376										4.043
3	481	1045	8.4	20	20.4	✓	30.2948										4.105
4	482	1052	8.9	10	10.5	✓	30.0036										4.200
5	483	1062	9.4	0	0.8	✓	25.9182										4.436
6																	5.288
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:
CHECKED BY:

Bottom Depth: 62

Cast # down:
Cast # up: 68

Time LOC (UTC)
Begin: 20:13:44
Bottom:
End:

START POSITION (GPS)
LAT: 54 36.03 N
LONG: 129 56.76 W

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/09

STATION NAME:

Kh2

CAST NUMBER:

70

SHIP: VECTOR

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	484	1090	6.9	157	157.6	✓	31.2686	↑	4								3.807
2	485	1103	6.9	150	150.8	✓	31.2591	↓									3.793
3	486	1104	7.2	125	125.9	✓	31.2462										3.903
4	487	1105	7.2	100	100.8	✓	31.2090										3.938
5	488	1106	7.1	75	75.7	✓	31.0243										4.142
6	489	1110	9.8	50	50.7	✓	30.9684										4.547
7	490	1113	10.0	30	30.8	✓	30.8693										4.663
8	491	1114	10.0	20	20.7	✓	30.7677										4.548
9	492	1119	9.4	10	10.7	✓	30.3313										4.495
10	493	1122	10.2	0	0.8	✓	29.3468	↓									4.771
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 167

Cast # down:

Cast # up: 70

Time LOC (UTC)

Begin: 2105

Bottom: 2107

End: 2214

START POSITION (GPS)

LAT: 54 39.12 N

LONG: 180 03.63 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/09

SHIP: VECTOR

STATION NAME:

Kh1

CAST NUMBER:

72

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	494	1126	7.4	109	109.6	✓	31.2464												3.832
2	495	1128	7.4	100	100.9	✓	31.2420												3.849
3	496	1130	8.4	75	75.7	✓	31.2138												4.115
4	497	1132	10.8	50	50.9	✓	31.2507												5.288
5	498	1133	10.8	30	30.8	✓	31.1104												5.212
6	499	1134	10.7	20	20.8	✓	31.0182												5.813
7	500	1135	10.2	10	10.8	✓	30.6524												4.769
8	501	1136	9.4	0	0.6	✓	25.0811												4.975
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 119

Cast # down: 71

Cast # up: 72

Time LOC UTC

Begin: 2151

Bottom: 2153

End: 2158

START POSITION (GPS)

LAT: 54 42.72 N

LONG: 130 09.41 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: PT3

UTC DATE y/m/d: 9711/09
CAST NUMBER: 73/74

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	502	509	6.3	480	480.1	✓ 33.1481											DO ml/l
2	503	412	6.3	400	400.5	✓ 33.1039											2.605
3	504	418	6.4	300	300.5	✓ 33.0117											2.799
4	505	420	6.7	250	250.9	✓ 33.0154											2.812
5	506	425	6.8	200	200.5	✓ 32.9646											2.759
6	507	443	6.9	175	176.2	✓ 32.9399											2.811
7	508	451	7.0	150	150.9	✓ 32.8755											2.857
8	509	463	7.5	125	125.9	✓ 32.7332											2.926
9	510	467	8.4	100	100.5	✓ 32.3935											3.131
10	511	485	9.9	75	75.9	✓ 31.6617											3.692
11	512	486	10.8	50	50.7	✓ 31.4442											4.499
12	513		10.9	30	30.4	31.0145											5.266
13	514	233	10.3	20	20.1	30.2214											5.567
14	515	337	9.9	10	10.0	29.5317											5.724
15	516	99	9.7	0	0.4	29.2193											5.786
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:
CHECKED BY:

Bottom Depth: 492

Cast # down:
Cast # up: 74

Time LOC UTC
Begin: 23:34:22
Bottom:
End:

START POSITION (GPS)
LAT: 54 46.89N
LONG: 130 19.65W

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: #513 Shc BOR CRACKED HOLE IN FLASK - SAMPLE LOST.

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/10

STATION NAME:

P15

CAST NUMBER:

76

SHIP:

VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l.
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	517	207	6.3	412	413.0	✓ 33.0893											2.740
2	518	255	6.4	300	300.9	✓ 33.0157											2.837
3	519	332	6.5	250	250.8	✓ 33.9935											2.817
4	520	84	6.8	200	200.6	✓ 32.9391											2.833
5	521	91	6.9	175	175.3	✓ 32.9071											2.862
6	522	376	7.2	150	150.3	✓ 32.7633											3.012
7	523	364	7.4	125	124.8	✓ 32.6627											3.120
8	524	380	7.9	100	100.4	✓ 32.2094											3.488
9	525	392	9.2	75	75.2	✓ 31.6973											3.985
10	526	1144	10.9	50	50.3	✓ 31.3820											5.373
11	527	527	10.8	30	29.7	✓ 31.0479											5.452
12	528	534	10.7	20	20.0	✓ 30.8999											5.460
13	529	572	10.1	10	10.0	✓ 30.0107											5.528
14	530	535	8.5	0	-0.6	✓ 26.9387											6.235
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

In Computer file: ignore # 523 w/ zero DO value. 25

ENTERED BY:

CHECKED BY:

Bottom Depth: 426

Cast # down: 75

Cast # up: 76

Time LOC UTC

Begin: 00:58:24

Bottom:

End:

START POSITION (GPS)

LAT: 54 52.87 N

LONG: 130 10.84 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/10

SHIP: Vectre

STATION NAME:

P17

CAST NUMBER:

78

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	531	1145	6.5	220	209.4	-32.8822	4										2.931
2	532	1146	6.5	200	199.1	-32.8684											2.947
3	533	1148	6.6	175	174.7	-32.8063											2.997
4	534	1150	6.6	150	150.3	-32.7202	4										3.053
5	535	1152	6.8	125	126.2	-32.5815											3.175
6	536	1153	7.2	100	100.5	-32.2806											3.394
7	537	1154	8.3	75	75.4	-31.7754											3.816
8	538	1155	10.0	50	50.3	-31.4469											4.379
9	539	1157	10.8	30	30.1	-31.2815											4.967
10	540	1158	10.9	20	20.5	-31.1623											5.236
11	541	1160	10.6	10	10.4	-30.7286											5.315
12	542	1167	8.3	0	1.2	25.9721											6.200
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

DO
ml/l

ENTERED BY:

CHECKED BY:

Bottom Depth: 223

Cast # down: 77

Cast # up: 78

Time LOC UTC

Begin: 0213

Bottom:

End:

START POSITION (GPS)

LAT: 54 59.31 N

LONG: 130 02.68 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/10

STATION NAME:

062

CAST NUMBER:

80

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	543	1168	6.4	413	418.5	✓ 32.4314											3.374
2	544	1171	6.4	400	400.4	✓ 32.4307											3.417
3	545	1173	6.4	300	300.8	32.3832											3.473
4	546	1174	6.4	250	250.7	32.3547											3.466
5	547	1175	6.4	200	201.0	32.2811											3.523
6	548	1176	6.5	175	175.7	32.2442											3.557
7	549	1177	6.7	150	150.9	32.1119											3.629
8	550	1178	7.4	125	125.8	31.7787											3.850
9	551	1180	9.3	100	100.6	31.5082											4.344
10	552	1182	10.0	75	75.4	31.2971											4.681
11	553	1183	10.4	50	50.6	31.0613											4.903
12	554	1187	10.2	30	30.8	30.7464											5.015
13	555	1188	9.6	20	20.7	29.9496											5.107
14	556	1189	8.0	10	9.9	27.4949											5.572
15	557	1190	7.8	0	0.2	27.2361											5.851
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 430

Cast # down: 7

Cast # up: 80

Time LOC

UTC

Begin:

Bottom: 0328

End:

START POSITION (GPS)

LAT: 55 06.77

LONG: 129 57.35

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: 064UTC DATE y/m/d: 97/11/10
CAST NUMBER: 82

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	558	1036	6.4	521	521.5	✓ 32.4372											DO ml/l
2	559	1032	6.3	400	399.8	✓ 32.4294											3.439
3	560	1045	6.3	300	299.1	✓ 32.3949											3.449
4	561	1052	6.4	250	250.0	✓ 32.3627											3.474
5	562	1062	6.4	200	200.3	✓ 32.2810											3.507
6	563	1090	6.5	175	175.0	✓ 32.1731											3.563
7	564	1103	6.9	150	150.0	✓ 31.9129											3.623
8	565	1104	7.5	125	124.8	✓ 31.4297											3.712
9	566	1105	9.2	100	99.8	✓ 31.3492											3.97
10	567	1106	9.8	75	75.1	✓ 31.2895											4.428
11	568	1113	10.1	50	49.9	✓ 31.1091											4.684
12	569	1110	9.8	30	29.9	✓ 30.7423											4.854
13	570	1114	9.6	20	20.0	✓ 30.4167											4.762
14	571	1119	9.1	10	9.9	✓ 29.8786											4.666
15	572	1122	7.5	0	0.8	26.5549											4.706
16																	5.781
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:
CHECKED BY:

Bottom Depth: 534

Cast # down: 81

Cast # up: 82

Time	LOC	UTC
Begin:	04149.39	
Bottom:		
End:		

START POSITION (GPS)		
LAT:	55	13.93 N
LONG:	129	51.11 W

BOTTOM POSITION (GPS)		
LAT:		
LONG:		

END POSITION (GPS)		
LAT:		
LONG:		

Comments:

* 564 depth entered incorrectly in computer file - should be 150.0 (NOT 0) 98.

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/10

STATION NAME:

066

CAST NUMBER:

84

SHIP:

Vektor

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

80
ml/l

1	573																		
2	574																		
3	575	1130	6.4	164	164.0	32.2381												3.590	
4	576	1132	6.5	150	149.7	32.1418												3.616	
5	577	1133	6.7	125	125.2	31.8349												3.752	
6	578	1134	7.5	100	100.0	31.2562												3.965	
7	579	1135	8.1	75	76.3	31.0691												4.121	
8	580	1137	9.2	50	50.9	30.9631												4.380	
9	581	1138	9.6	30	30.8	30.7922												4.507	
10	582	1139	8.8	20	20.6	30.4190												4.436	
11	583	1141	8.6	10	11.0	30.1727												4.440	
12	584	1142	7.0	0	1.3	25.7574												6.001	
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 175

Cast # down: 83

Cast # up: 84

Time LOC UTC

Begin: 06:20:40

Bottom:

End:

START POSITION (GPS)

LAT: 55 21.35 N

LONG: 129 46.00 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/10

STATION NAME:

AA3

CAST NUMBER:

86

SHIP:

VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	585	1136	4.7	396	376.6	✓ 31.3551	4										5.006
2	586	412	4.7	300	300.8	✓ 31.3398											5.264
3	587	509	4.7	250	250.8	✓ 31.3190											5.332
4	588	418	4.7	200	200.7	✓ 31.2915											5.349
5	589	420	4.7	175	175.7	✓ 31.2551											5.453
6	590	425	4.8	150	150.6	✓ 31.1238											5.456
7	591	443	5.6	125	125.2	✓ 30.4370											5.282
8	592	451	7.0	100	100.3	✓ 29.6267											4.901
9	593	463	7.6	75	75.6	✓ 29.3870											4.846
10	594	467	7.9	50	50.6	✓ 29.2348											4.796
11	595	485	7.9	30	30.7	✓ 28.9477											4.854
12	596	333	8.0	20	20.6	✓ 28.6647											4.883
13	597	337	7.5	10	10.7	✓ 27.0108											5.212
14	598	A86	7.1	0	0.5	✓ 26.2637											5.750
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

390

Cast # down:

85

Cast # up:

86

Time

LOC

(UTC)

Begin: 0722

Bottom: 0730

End: 0743

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 55 27.23

LONG: 129 37.02

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: HAZUTC DATE y/m/d: 97/11/10
CAST NUMBER: 88SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	599	99	5.6	295	294.7	✓ 31.7079											4.160
2	600	207	5.6	250	249.9	✓ 31.6950											4.193
3	601	255	5.7	200	200.7	✓ 31.6313											4.333
4	602	332	5.7	175	176.0	✓ 31.5957											4.348
5	603	84	5.7	150	150.9	✓ 31.5715											4.311
6	604	97	5.8	125	125.9	✓ 31.5456											4.380
7	605	364	5.7	100	100.8	✓ 31.4274											4.506
8	606	376	7.4	75	75.8	✓ 30.8326											4.459
9	607	380	8.8	50	50.8	✓ 30.7175											4.364
10	608	392	8.4	30	30.8	✓ 30.4630											4.411
11	609	1144	8.0	20	20.8	✓ 30.2334											4.401
12	610	527	7.7	10	10.8	✓ 29.4430											4.523
13	611	534	7.2	0	0.6	✓ 26.0306											4.916
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 306Cast # down: 87Cast # up: 88Time LOC UTCBegin: 0856Bottom: 0902End: 0916

START POSITION (GPS)

LAT: 55 28.28 NLONG: 129 44.59 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/11

STATION NAME:

PRH5

CAST NUMBER:

90

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	612	1145	10.9	50	50.5	✓ 30.6428											5.217
2	613	1146	10.9	40	40.3	✓ 30.6191											5.196
3	614	1148	11.0	30	30.3	✓ 30.5769											4.966
4	615	1150	11.0	20	20.4	✓ 30.0714											4.642
5	616	1152	10.5	10	10.5	✓ 28.1024											4.974
6	617	1153	9.7	0	0.8	✓ 27.1938											5.250
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: 59

Cast # down: 89

Cast # up: 90

Time LOC

UTC

Begin: 03:27:25

Bottom:

End:

START POSITION (GPS)

LAT: 54 22.12 N

LONG: 130 15.74 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: PR44

UTC DATE y/m/d: 97/11/11
CAST NUMBER: 92

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	618	1154	10.9	40	40.7	-30.6249											4.943
2	619	1155	11.0	30	30.6	-30.5288											4.712
3	620	1157	11.0	20	20.6	-30.5075											4.900
4	621	1158	10.7	10	10.6	-29.4150											5.128
5	622	1160	9.9	0	0.8	-27.0705											5.561
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
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20																	
21																	
22																	
23																	
24																	

ENTERED BY:
CHECKED BY:

Bottom Depth: 49

Cast # down: 91

Cast # up: 92

Time LOC UTC
Begin: 03:56:47
Bottom:
End:

START POSITION (GPS)
LAT: 54 20.27 N
LONG: 130 17.42 W

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: PR43

UTC DATE y/m/d: 97/11/11
CAST NUMBER: 94

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	623	1167	10.9	38	38.7	-30.6712												5.296
2	624	1171	10.9	30	30.6	-30.5689												5.174
3	625	1173	11.0	26	20.6	-30.3810												4.885
4	626	1174	10.4	10	10.6	-28.5965												5.216
5	627	1175	9.0	0	0.6	-26.6140												5.859
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: 48

Cast # down: 93
Cast # up: 94

Time LOC UTC
Begin: 04:22:14
Bottom:
End:

START POSITION (GPS)
LAT: 54 19.47 N
LONG: 130 19.65 W

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/11

STATION NAME:

PR42

CAST NUMBER:

96

SHIP:

VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	628	1168	10.9	55.6	55	✓ 30.7760											5.375
2	629	1176	10.9	50.5	50	✓ 30.6908											5.372
3	630	1177	10.8	40.6	40	✓ 30.6187											5.354
4	631	1178	10.8	30.5	30	✓ 30.6162											5.366
5	632	1180	10.7	20.5	20	✓ 30.2554											5.384
6	633	1183	9.4	10.6	10	✓ 27.3004											5.911
7	634	1182	9.3	0.8	0	27.1330											6.112
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
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22																	
23																	
24																	

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 65

Cast # down: 95

Cast # up: 96

Time LOC UTC

Begin: 04:50:18

Bottom:

End:

START POSITION (GPS)

LAT: 54 18.47 N

LONG: 130 21.86 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: PRH1

UTC DATE y/m/d: 97/11/11
CAST NUMBER: 98

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	635	1187	10.9	40	40.9	31.0536											DO ml/l
2	636	1188	10.9	30	80.8	30.8846											5.451
3	637	1189	10.8	20	20.5	30.4328											5.481
4	638	1190	9.7	10	10.6	28.0134											5.467
5	639	1191	9.4	0	1.1	27.3804											5.790
6																	6.051
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:
CHECKED BY:

Bottom Depth: 48

Cast # down: 97
Cast # up: 98

Time LOC UTC
Begin: 0534:41
Bottom:
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/11

STATION NAME:

Aal 1

CAST NUMBER:

100

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	640	1032	7.7	132	132.4	✓ 32.3440											1.199
2	641	1036	7.8	125	125.7	✓ 32.3299											1.178
3	642	1045	8.1	100	100.8	✓ 31.9714											2.035
4	643	1052	9.0	75	75.6	✓ 31.1250											3.674
5	644	1062	9.4	50	50.6	✓ 30.6593											4.006
6	645	1090	9.7	30	30.6	✓ 30.0391											4.129
7	646	1119	9.7	20	20.7	✓ 29.5465											4.303
8	647	1103	8.9	10	10.6	✓ 27.5745											4.241
9	648	1104	8.0	0	0.7	✓ 25.3682											5.395
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 99

Cast # up: 100

Time LOC

(UTC)

Begin: 1609

Bottom: 1613

End: 1620

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/11

STATION NAME:

Khu 1

CAST NUMBER:

102

SHIP:

VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	649	1105	7.1	146	146.8	✓ 31.5023	4										0.848
2	650	1106	7.1	125	125.7	✓ 31.4904											0.9168
3	651	1113	7.0	100	100.7	✓ 31.4777											0.926
4	652	1110	7.0	75	75.7	✓ 31.4573											1.002
5	653	1114	7.3	50	50.6	✓ 31.4044											1.934
6	654	1122	8.8	30	30.6	✓ 30.5105											3.211
7	655	1126	9.3	20	20.5	✓ 29.6336											4.095
8	656	1128	9.4	10	10.6	✓ 28.8131											4.322
9	657	1130	8.7	0	0.6	✓ 26.3832											4.992
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:

CHECKED BY:

Bottom Depth:

156

Cast # down:

101

Cast # up:

102

Time

LOC

(UTC)

Begin:

1714

Bottom:

1717

End:

1724

START POSITION (GPS)

LAT:

53 05.83 N

LONG:

128 28.52 W.

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

(Some, Not All)
Small bottles of brown residue on top of last caps before acidification - could be excess reagent
- samples may be too warm in lab.

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/11

STATION NAME:

6812

CAST NUMBER:

1/104

SHIP: VECTOR

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	658	1135	7.5	143	143.8	✓	31.7946										0.087
2	659	1132	7.5	125	125.7	✓	31.7885										0.081
3	660	1133	7.6	100	100.5	✓	31.7704										0.136
4	661	1134	7.9	75	75.4	✓	31.6661										1.793
5	662	1137	8.7	50	50.5	✓	31.0881										2.700
6	663	1138	9.7	30	30.5	✓	30.1437										4.036
7	664	1139	10.0	20	20.6	✓	29.7322										4.255
8	665	1142	9.7	10	10.6	✓	28.8049										4.486
9	666	1141	9.0	0	0.5	✓	26.4322										4.915
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

- Small amounts of brown residue on top of some flask caps. Samples too warm in lab before acidification

- Computer file has 2 values for #661 - ignore zero value

ENTERED BY:

CHECKED BY:

Bottom Depth: 155

Cast # down: 103

Cast # up: 104

Time LOC UTC

Begin: 1857

Bottom: 1900

End: 1907

START POSITION (GPS)

LAT: 52 55.73 N

LONG: 128 26.21

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: GR1UTC DATE y/m/d: 97/11/11
CAST NUMBER: 106SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											DO ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
* 1	667	1136	8.3	420	420.1	✓	31.9075											3.372
* 2	668	412	8.3	400	400.0	✓	31.9037											3.368
* 3	669	509	8.3	300	300.2	✓	31.8548											3.394
* 4	670	418	8.4	250	249.8	✓	31.7935											3.430
* 5	671	420	8.4	200	200.2	✓	31.6813											3.457
* 6	672	425	8.5	175	175.7	✓	31.6534											3.454
* 7	673	443	8.5	150	150.8	✓	31.6133											3.484
8	674	451	8.5	125	125.9	✓	31.5836											3.485
9	675	463	8.5	100	100.8	✓	31.5216											3.519
10	676	467	8.6	75	75.7	✓	31.2320											3.599
11	677	383	8.8	50	50.9	✓	30.5854											3.911
12	678	485	8.9	30	30.7	✓	30.2410											4.003
13	679	337	8.9	20	20.7	✓	29.9791											4.161
14	680	486	8.9	10	10.6	✓	29.2134											4.474
15	681	99	8.6	0	0.2	✓	27.8053											5.145
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:Bottom Depth: 432Cast # down: 105Cast # up: 106

Time	LOC	UTC
Begin:	<u>2048</u>	
Bottom:	<u>2056</u>	
End:	<u>2109</u>	

START POSITION (GPS)	
LAT:	<u>S2 55.56 N</u>
LONG:	<u>128 30.70 W</u>

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)	
LAT:	
LONG:	

Comments:

* 667 → 673 had small amt of brown residue on top of cap before acidification.
#670 - ignore zero value in computer file

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/11

STATION NAME:

FC

CAST NUMBER:

1108

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l.
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
*1	682	207	6.5	540	540.0	✓ 33.5430											1.868
2	683	255	6.5	500	502.4	✓ 33.5372											1.938
3	684	332	6.6	400	402.0	✓ 33.5018											1.964
*4	685	84	6.7	300	301.4	✓ 33.4530											1.970
*5	686	97	6.7	250	250.4	✓ 33.4213											
*6	687	364	6.7	200	200.1	✓ 33.3691											2.005
*7	688	376	6.8	175	175.0	✓ 33.2925											2.040
8	689	380	7.2	150	150.0	✓ 32.8828											2.302
9	690	1144	7.7	125	124.9	✓ 32.3826											2.664
10	691	392	8.7	100	100.1	✓ 31.0626											3.641
11	692	524	9.3	75	75.9	✓ 30.7355											3.980
12	693	527	10.3	50	51.0	✓ 30.5527											4.676
13	694	535	10.3	30	30.9	✓ 30.3404											4.715
14	695	572	9.9	20	20.6	✓ 30.2077											4.652
15	696	578	9.8	10	10.9	✓ 30.0504											4.730
16	697		9.1	0	30.6	✓ 29.3217											4.758
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

* Brown residue

Values may have to be moved up 1 depth re. misfire if data is not sensible. 98

Note: No sample at 500m then shift up one.

ENTERED BY:

CHECKED BY:

Bottom Depth: 551

Cast # down: 107

Cast # up: 108

Time LOC

UTC

Begin: 2158

Bottom: 2209

End: 2226

START POSITION (GPS)

LAT: 52 47.91

LONG: 128 25.79

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: SP

UTC DATE y/m/d: 97/11/11
CAST NUMBER: 110

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	698	1146	6.6	332	332.0	✓ 33.4241											1.826
2	699	1145	6.7	300	280.7	✓ 33.3947											1.844
3	700	1148	6.7	250	250.6	✓ 33.3406											1.975
4	701	1150	6.8	200	200.4	✓ 33.2972											2.014
5	702	1152	6.8	175	175.3	✓ 33.2354											1.980
6	703	1171	6.9	150	150.2	✓ 33.1913											1.998
7	704	1153	7.1	125	125.2	✓ 33.0182											2.151
8	705	1154	7.9	100	100.2	✓ 32.1946											2.678
9	706	1155	8.7	75	75.3	✓ 31.4659											3.262
10	707	1157	9.2	50	51.0	✓ 30.8631											3.861
11	708	1158	10.0	30	30.1	✓ 30.3990											4.462
12	709	1160	9.8	20	20.1	✓ 30.2113											4.778
13	710	1167	9.6	10	10.1	✓ 30.0983											5.198
14	711	1173	9.4	0	1.1	✓ 29.6195											5.468
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:
CHECKED BY:

Bottom Depth: 342

Cast # down: 109
Cast # up: 110

Time LOC UTC
Begin: 23:20:54
Bottom:
End:

START POSITION (GPS)
LAT: 52 47.45N
LONG: 128 16.10W

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9744
STATION NAME: M.1UTC DATE y/m/d: 97/11/12
CAST NUMBER: 112

SHIP: VECTOR

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	712	712	6.8	325	325.8	✓ 33.2364	DP										1.912
2	713	713	6.8	250	249.7	✓ 33.2325											1.918
3	714	1176	6.8	200	200.3	✓ 33.2292											1.909
4	715	1177	6.8	175	175.8	✓ 33.2178											1.915
5	716	1178	6.9	150	150.3	✓ 33.1454	ch										1.961
6	717	1180	7.2	125	125.1	✓ 32.8012											2.191
7	718	1183	7.9	100	99.9	✓ 32.0578											2.627
8	719	1182	9.4	75	74.6	✓ 30.9614											3.535
9	720	1187	9.6	50	50.5	✓ 30.6257											4.050
10	721	1188	9.6	30	31.0	✓ 30.3378											4.734
11	722	1189	9.7	20	21.1	✓ 30.3048											4.714
12	723	1190	9.8	10	10.1	✓ 30.2114											4.722
13	724	1191	9.6	0	0.8	30.0254											4.997
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 332

Cast # down: 711

Cast # up: 112

Time LOC (UTC)

Begin: 07:29:18

Bottom:

End:

START POSITION (GPS)

LAT: S2 52.51 N

LONG: 128 08.70 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/12

STATION NAME:

Ky1

CAST NUMBER:

114

SHIP: *VE OROR*

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	725	1036	7.2	388	388.4	✓	32.8866										1.056
2	726	1045	7.2	300	300.3	✓	32.8806										1.150
3	727	1052	7.2	250	249.9	✓	32.8746										1.195
4	728	1062	7.2	200	200.6	✓	32.8655										1.187
5	729	1090	7.2	175	174.5	✓	32.8593										1.197
6	730	1119	7.2	150	150.0	✓	32.8364										1.071
7	731	1103	7.1	125	125.7	✓	32.8056										1.100
8	732	1104	7.1	100	100.5	✓	32.5994										1.379
9	733	1105	7.7	75	75.1	✓	31.7657										2.579
10	734	1106	9.8	50	49.8	✓	30.7616										3.873
11	735	1113	10.1	30	28.7	✓	30.3288										4.295
12	736	1110	10.7	20	20.0	✓	30.1086										4.490
13	737	1114	10.5	10	11.0	✓	29.7679										4.741
14	738	1122	9.7	0	1.0	✓	28.4594										5.285
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

(731 - ignore zero value in computer file.)

ENTERED BY:

CHECKED BY:

Bottom Depth: 405

Cast # down: 113

Cast # up: 114

Time LOC UTC

Begin: 02:03:51

Bottom:

End:

START POSITION (GPS)

LAT: 52 45.12 N

LONG: 127 59.61 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/12

STATION NAME:

MC

CAST NUMBER:

116

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	739	412	605	604.9	7.2	✓ 33.0270											1.371
2	740	1126	500	499.8	7.2	✓ 33.0109											1.404
3	741	1128	400	399.4	7.2	✓ 32.9949											1.306
4	742	1130	300	299.2	7.2	✓ 32.9688											1.291
5	743	1135	250	249.7	7.2	✓ 32.9410											1.421
6	744	1132	200	199.6	7.2	✓ 32.8940											1.684
7	745	1133	175	175.2	7.2	✓ 32.8541											1.435
8	746	1137	150	150.5	7.2	✓ 32.8224											1.459
9	747	1138	125	125.6	7.2	✓ 32.7389											1.600
10	748	1139	100	100.6	7.2	✓ 32.5602											2.037
11	749	1142	75	75.9	8.8	✓ 31.4839											3.065
12	750	1141	50	50.7	9.9	✓ 30.6829											3.897
13	751	1134	30	31.1	10.7	✓ 30.3614											4.274
14	752	1136	20	20.3	10.5	✓ 29.9007											4.695
15	753	394	10	10.8	10.0	✓ 29.1866											5.064
16	754	1143	0	0.8	9.9	28.9246											5.419
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 615

Cast # down: 15

Cast # up: 116

Time LOC (UTC)

Begin: 03:20:42

Bottom:

End:

START POSITION (GPS)

LAT: 52 42.46 N

LONG: 128 09.83 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

STATION NAME:

UTC DATE y/m/d:

CAST NUMBER:SHIP: VICTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 108

Cast # down: 117

Cast # up: 112

Time	LOC	UTC
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Begin: 1612

Bottom: 16 15

End: 16 20

START POSITION (GPS)

LAT: 51 21.23 N

LONG: 127 1/2 28 W.

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: VECTOK

ENTERED BY:

CHECKED BY:

Bottom Depth: 184

Cast # down: 119

Cast # up: 120

Time	LOC	UTC
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Begin: 16 4 3

Bottom: 16 96

End: 16 54

START POSITION (GPS)

LAT: 5 21.62 N

LONG: 127 08.95 W

BOTTOM POSITION (GPS)

LAT: 51 21.24

LONG: 127 06.29

END POSITION (GPS)

LAT: 51 21.31

LONG: 127 06.31

[illegible]

Comments:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/12

STATION NAME:

Sm3

CAST NUMBER:

122.

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth
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ROSETTE OPERATION	
Trip pressure	Confirmed Salinity

Samples taken									
SAL		NUT		ALK		TCO			
	OXY		CHL		C13				

DO
rel

1	772	1178	7.6	317	317.7	✓	32.8915	4												1.227
2	773	1180	7.6	300	300.2	✓	32.8869													1.257
3	774	1183	7.5	250	250.4	✓	32.8570													1.447
4	775	1182	7.5	200	200.3	✓	32.7893													1.608
5	776	1187	7.5	175	175.1	✓	32.7476													1.733
6	777	1188	7.6	150	150.3	✓	32.7124													1.745
7	778	1189	7.6	125	125.0	✓	32.6564													1.731
8	779	1190	7.9	100	100.2	✓	32.2634													1.846
9	780	1191	10.2	75	75.4	✓	31.1151													3.976
10	781	1192	11.7	50	50.6	✓	30.7457													4.318
11	782	2014	10.8	30	30.7	✓	30.2699													5.636
12	783	2015	10.6	20	20.7	✓	30.1090													5.713
13	784	2017	10.7	10	10.7	✓	29.8890													5.595
14	785	2025	10.1	0	0.7	✓	28.1555													5.468
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:

CHECKED BY:

Bottom Depth: 328

Cast # down: 121

Cast # up: 122

Time LOC UTC

Begin: 17 27

Bottom: 17 33

End: 17 45

START POSITION (GPS)

LAT: 51 18.41 N

LONG: 127 14.82

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/12

STATION NAME:

Sm2

CAST NUMBER:

124

SHIP: VECTOR

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

ROSETTE OPERATION
Trip Confirmed
pressure Salinity

Samples taken
SAL NUT ALK TCO
OXY CHL C13

DO
ml/l

1	786	2019	7.6	368	368.9	✓	32.8950												1.195
2	787	2032	7.5	300	300.5	✓	32.8792												1.329
3	788	2040	7.5	250	250.4	✓	32.8403												1.549
4	789	2027	7.5	200	200.2	✓	32.7510												1.895
5	790	2033	7.5	175	175.3	✓	32.7154												1.893
6	791	2035	7.6	150	150.4	✓	32.6635												1.931
7	792	2036	7.7	125	125.5	✓	32.5333												1.993
8	793	2038	8.3	100	100.5	✓	32.0816												2.413
9	794	2043	10.3	75	75.5	✓	31.476												4.108
10	795	2044	12.1	50	50.6	✓	30.9279												4.395
11	796	587	10.9	30	30.6	✓	30.4210												5.433
12	797	588	10.5	20	20.5	✓	30.1675												5.702
13	798	597	10.0	10	10.5	✓	29.8077												5.882
14	799	630	10.4	0	0.8		27.9375												5.597
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

Brown residue

ENTERED BY:

CHECKED BY:

Bottom Depth:

873

Cast # down: 123

Cast # up: 124

Time LOC UTC

Begin: 1815

Bottom: 1822

End: 1835

START POSITION (GPS)

LAT: 51 18.03 N

LONG: 127 22.26 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/12

STATION NAME:

Sm 1

CAST NUMBER:

126

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	800	632	7.5	200	200.8	✓ 32.7622											DO ml/l
2	801	638	7.6	175	175.6	✓ 32.7254											1.826
3	802	641	7.6	150	150.6	✓ 32.6899											1.814
4	803	650	7.9	125	125.6	✓ 32.5322											1.829
5	804	657	8.6	100	100.4	✓ 32.1574											2.049
6	805	695	10.4	75	75.7	✓ 31.1907											2.679
7	806	697	11.8	50	50.8	✓ 30.8069											4.208
8	807	708	10.5	30	30.7	✓ 30.1804											4.739
9	808	707	10.2	20	20.6	✓ 30.0162											5.778
10	809	709	10.0	10	10.8	✓ 29.8646											5.857
11	810	712	10.0	0	0.8	✓ 28.1959											5.862
12																	5.832
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

* Porown residue

ENTERED BY:

CHECKED BY:

Bottom Depth: 212

Cast # down: 125

Cast # up: 126

Time LOC

UTC

Begin: 1905

Bottom: 1909

End: 1917

START POSITION (GPS)

LAT: 31 18.74 N

LONG: 127 30.14 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:**STATION NAME:**

UTC DATE y/m/d:

CAST NUMBER:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 127

Cast # up: 128

Time	LOC	UTC
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Begin: 20:34:35

Bottom:

End:

START POSITION (GPS)

LAT: 51 23.37 N

LONG: 127 23.07 u

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9744

UTC DATE y/m/d:

97/11/12

STATION NAME:

1301

CAST NUMBER:

130

SHIP:

VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	820	485	7.4	254	255.4	✓ 32.8510											0.873
2	821	337	7.4	250	250.4	✓ 32.8477											0.860
3	822	486	7.4	200	200.1	✓ 32.7867											1.280
4	823	49	7.5	175	175.0	✓ 32.7095											1.339
5	824	207	7.5	150	150.1	✓ 32.6790											1.457
6	825	255	7.6	125	125.3	✓ 32.5807											1.535
*7	826	332	8.2	100	100.2	✓ 32.0925											2.574
*8	827	84	10.1	75	75.1	✓ 31.2589											3.891
*9	828	97	12.1	50	50.0	✓ 30.8959											4.570
10	829	364	11.5	30	30.2	✓ 30.4886											4.845
11	830	376	10.9	20	20.3	✓ 30.2576											5.353
12	831	380	11.2	10	10.3	✓ 30.1448											5.312
13	832	1144	11.2	0	0.7	✓ 28.6899											5.235
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

264

Cast # down:

129

Cast # up:

130

Time

LOC

UTC

Begin:

2122

Bottom:

2127

End:

2137

START POSITION (GPS)

LAT:

51 21.29 N

LONG:

127 29.57 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:**STATION NAME:**

UTC DATE y/m/d:

CAST NUMBER:

SHIP: VEC Tok

[illegible]

ENTERED BY:

CHECKED BY:

Bottom Depth: 221

Cast # down:

Cast # up: 132

Time	LOC	UTC
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Begin: 21:54:58

Bottom:

End:

START POSITION (GPS)

LAT: 49 23 64 N

LONG: 122 52.57 W

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments: