

ROSETTE LOG

MISSION ID: 2002-36 STATION: B15 CAST NUMBER: 001 UTC DATE (dd/mm/yyyy): 11 /12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	1	84	4.570	604-5	✓	138		✓	✓									
2	2	364	4.580	125	✓			✓	✓									
3	3	535	4.672	100	✓			✓	✓									
4	4	572	4.785	75	✓			✓	✓									
5	5	657	4.819	50	✓			✓	✓									
6	6	695	4.929	30	✓			✓	✓									
7	7	697	4.940	20	✓			✓	✓									
8	8	707	4.944	10	✓			✓	✓				✓	✓				
9	9	708	4.946	5	✓			✓	✓				✓	✓				
10	10	709	4.954	0				✓	✓									
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: D.S.
CHECKED BY:

Bottom Depth: 138

Cast # down: 001
Cast # up:

Time	LOC	UTC
Begin:		0813
Bottom:		0818
End:		0831

START POSITION (GPS)
LAT: 50 36.04
LONG: 126 43.66

BOTTOM POSITION (GPS)
LAT: 36.04
LONG: 43.66

END POSITION (GPS)
LAT: 36.19
LONG: 44.33

ROSETTE LOG

MISSION ID: 2002-36 STATION: KNO CAST NUMBER: 002 UTC DATE (dd/mm/yyyy): 11/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
1	11	715	3.736	bot-5	✓ 53			x	y									
2	12	727	3.725	50	✓				x									
3	13	1105	3.938	30	✓				x									
4	14	1110	4.159	20	✓				x									
5	15	1126	4.862	10	✓				x				xx					
6	16	1128	4.880	5	✓				xx				xx					
7	17	1130	5.034	0					x									
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: ST
CHECKED BY:

Bottom Depth:

Cast # down: 002
Cast # up:

Time	LOC	UTC
Begin:		0935
Bottom:		0938
End:		0944

START POSITION (GPS)
LAT: 50 38.32
LONG: 126 35.07

BOTTOM POSITION (GPS)
LAT: 50 38.32
LONG: 126 35.07

END POSITION (GPS)
LAT: 50 38.32
LONG: 126 35.06

ROSETTE LOG

MISSION ID: 2002-36 STATION: KNI CAST NUMBER: 003 UTC DATE (dd/mm/yyyy): 14/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	18	1134	3.884	10-5	✓ 250	X												
2	19	1135	3.544	200	✓ 200													
3	20	1136	3.556	175	✓													
4	21	1137	3.588	150	✓													
5	22	1138	3.721	125	✓													
6	23	1141	3.959	100	✓													
7	24	1142	3.869	75	✓													
8	25	1146	4.045	50	✓													
9	26	1148	4.568	30	✓													
10	27	1153	5.049	20	✓				XX									
11	28	1158	5.135	10	✓													
12	29	1175	5.313	5	✓							✓						
13	30	1335	5.382	0	✓							✓						
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: 21 oxy: corrected in sample.

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 247

Cast # down: 003
Cast # up:

Time	LOC	UTC
Begin:		1036
Bottom:		1043
End:		1057

START POSITION (GPS)
LAT: 50° 38.09
LONG: 126° 25.25

BOTTOM POSITION (GPS)
LAT: 50° 38.05
LONG: 126° 25.38

END POSITION (GPS)
LAT: 50° 38.08
LONG: 126° 25.32

ROSETTE LOG

MISSION ID: 2002-36 STATION: KN2 CAST NUMBER: 4 UTC DATE (dd/mm/yyyy): 11 Dec 02

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	31	1188	3.682	65	✓ 157													
2	32	1189	3.696	150	✓ 151													
3	33	1192	3.847	125	✓ 1224													
4	34	1193	3.742	100	✓ 100													
5	35	1195	3.855	75	✓ 74													
6	36	1203	4.030	50	✓ 50													
7	37	1206	4.676	30	✓ 280													
8	38	1209	4.995	20	✓ 20													
9	39	1210	5.110	10	✓ 10													
10	40	1212	5.149	5	✓ 5													
11	41	1215	5.163	0														
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 180

Cast # down: 604
Cast # up:

Time	LOC	UTC
Begin:		1203
Bottom:		1208
End:		1220

START POSITION (GPS)
LAT: 50°39'27"
LONG: 126°11'01"

BOTTOM POSITION (GPS)
LAT: 50°39'29"
LONG: 126°11'17"

END POSITION (GPS)
LAT: 50°39'44"
LONG: 126°11'16"

ROSETTE LOG

MISSION ID: 2002-36 STATION: TRC 1 CAST NUMBER: 5 UTC DATE (dd/mm/yyyy): 11/Dec/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	42	1216	3.814	6-10	✓ 263	X												
2	43	1222	3.844	250	✓	X												
3	44	1223	3.851	200	✓ 199													
4	45	1224	3.910	175	✓ 172													
5	46	1225	3.958	150	✓ 151													
6	47	1228	4.059	125	✓													
7	48	1231	4.101	100	✓			XX										
8	49	1233	4.144	75	✓													
9	50	1237	4.175	50	✓													
10	51	1235	4.368	30	✓ 29													
11	52	1238	4.620	20	✓													
12	53	1241	4.857	10	✓							XX						
13	54	1244	4.932	5	✓							XX						
14	55	1247	4.984	0	✓													
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: 1152 bubble in flask before acid'n

SHIP: Vector
ENTERED BY: ST
CHECKED BY:

Bottom Depth:

Cast # down: 0045
Cast # up:

Time	LOC	UTC
Begin:		1315
Bottom:		1321
End:		

START POSITION (GPS)
LAT: 50°43'63"
LONG: 126°10'85"

BOTTOM POSITION (GPS)
LAT: 50°43'66"
LONG: 126°10'88"

END POSITION (GPS)
LAT: 50°43'
LONG: 126°10'

ROSETTE LOG

MISSION ID: 2002-36 STATION: F: S CAST NUMBER: 6 UTC DATE (dd/mm/yyyy): 12/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	56	84	4.587	bot-10	✓ 328	✓												
2	57	364	4.591	300	✓	✓												
3	58	535	4.567	250	✓	✓		✓										
4	59	572	4.552	200	✓													
5	60	637	4.553	175	✓													
6	61	695	4.653	150	✓													
7	62	697	4.675	125	✓													
8	63	707	4.741	100	✓													
9	64	708	4.929	75	✓													
10	65	709	4.913	50	✓													
11	66	715	4.855	30	✓			✓										
12	67	727	4.807	20	✓													
13	68	1105	5.185	10	✓							✓✓						
14	69	1110	5.254	5	✓							✓✓						
15	70	1126	5.299	0	✓													
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 334

Cast # down: 006
Cast # up:

Time	LOC	UTC
Begin:		0357
Bottom:		0409
End:		0427

START POSITION (GPS)
LAT: 50° 47.00
LONG: 126° 36.72

BOTTOM POSITION (GPS)
LAT: 47.02
LONG: 36.72

END POSITION (GPS)
LAT: 47.07
LONG: 36.78

ROSETTE LOG

MISSION ID: 2002-36 STATION: PP1 CAST NUMBER: 7 UTC DATE (dd/mm/yyyy): 12/12/02

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	71	1128	4.173	6.1-5	✓ 142													
2	72	1130	4.416	12.5	✓													
3	73	1134	4.434	10.0	✓													
4	74	1135	4.516	7.5	✓													
5	75	1136	4.415	5.0	✓													
6	76	1137	4.864	3.0	✓													
7	77	1138	4.944	2.0	✓													
8	78	1141	5.025	1.0	✓													
9	79	1142	5.315	5	✓													
10	80	1146	5.476	0														
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: 0. data in 2002-36-0006-02

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 157

Cast # down: 007

Cast # up:

Time	LOC	UTC
Begin:		0518
Bottom:		0522
End:		0534

START POSITION (GPS)

LAT: 50° 48.78

LONG: 126° 31.96

BOTTOM POSITION (GPS)

LAT: 48.80

LONG: 31.44

END POSITION (GPS)

LAT: 48.78

LONG: 31.29

ROSETTE LOG

MISSION ID: 2002-36 STATION: WP CAST NUMBER: 8 UTC DATE (dd/mm/yyyy): 12/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	81	1188	4.971	60.5	✓	172												
2	82	1189	4.942	150	✓				✓									
3	83	1192	4.872	125	✓	151												
4	84	1193	4.881	100	✓	99												
5	85	1195	4.853	75	✓													
6	86	1203	4.996	50	✓													
7	87	1206	5.189	30	✓	29												
8	88	1209	5.167	20	✓													
9	89	1210	5.261	10	✓	4.5						✓✓						
10	90	1212	5.339	5	✓				✓			✓✓						
11	91	1215	5.375	0	✓													
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: 2 data in 2002-36006.02

SHIP: Vector
ENTERED BY: ST.
CHECKED BY:

Bottom Depth: 181

Cast # down: 008
Cast # up:

Time	LOC	UTC
Begin:		0801
Bottom:		0804
End:		0800

START POSITION (GPS)
LAT: 50°50'76
LONG: 126°56'48

BOTTOM POSITION (GPS)
LAT: 50°50'49
LONG: 126°56'50

END POSITION (GPS)
LAT: 50°50'79
LONG: 126°56'54

ROSETTE LOG

MISSION ID: 2002-36

STATION: SC

CAST NUMBER: 009

UTC DATE (dd/mm/yyyy):

12/Dec/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	92	1222	3.048	6-5	✓ 177	x	x											} too shallow. tripped bottles anyway. - use for duplicate
2	93	1223	3.055	200	✓ 177													
3	94	1224	3.054	175	✓ 175													
4	95	1225	3.100	150	✓ 151													
5	96	1228	3.335	125	✓													
6	97	1231	3.603	100	✓													
7	98	1233	4.022	75	✓ 74													
8	99	1235	4.390	50	✓													
9	100	1237	4.54	30	✓													
10	101	1238	4.659	20	✓													
11	102	1241	5.245	10	✓													
12	103	1244	5.527	5	✓													
13	104	1247	5.595	0	✓													
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: #101 air bubble in flask before adding acid.

SHIP: Vector

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 233

Cast # down: 009

Cast # up:

Time LOC UTC

Begin: 0919

Bottom: 0924

End: 0937

START POSITION (GPS)

LAT: 50°53.46

LONG: 126°45.73

BOTTOM POSITION (GPS)

LAT: 50°53.50

LONG: 126°45.80

END POSITION (GPS)

LAT: 50°53.42

LONG: 126°46.05

ROSETTE LOG

MISSION ID: 2002-36 STATION: Kip O CAST NUMBER: 10 UTC DATE (dd/mm/yyyy): 12/Dec/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	105	1302	2.827	6-5	✓ 396	X												
2	106	1267	2.954	300	✓ 299	X												
3	107	1268	2.997	250	✓ 250	X												
4	108	1280	3.061	200	✓													
5	109	1271	3.050	175	✓ 174													
6	110	1272	3.055	150	✓													
7	111	1273	3.115	125	✓ 122													
8	112	1274	3.821	100	✓													
9	113	1276	4.346	75	✓													
10	114	1277	4.236	50	✓													
11	115	1278	4.291	30	✓													
12	116	1279	4.293	20	✓													
13	117	1280	4.685	10	✓							XX						
14	118	1281	5.645	5	✓							XX						
15	119	1284	5.708	0				✓	✓									
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: #106 - air bubble in flask before seal added
#115 "

SHIP: Vector
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 400 m

Cast # down: 010
Cast # up:

Time	LOC	UTC
Begin:		1026
Bottom:		1035
End:		1055

START POSITION (GPS)
LAT: 50°51.68
LONG: 126°37.17

BOTTOM POSITION (GPS)
LAT: 50°51.72
LONG: 126°37.24

END POSITION (GPS)
LAT: 50°51.74
LONG: 126°37.14

ROSETTE LOG

MISSION ID: 2002-36 STATION: Kin 1.5 CAST NUMBER: 11 UTC DATE (dd/mm/yyyy): 12/Dec/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	120	1286	2.6	6-5	✓ 475	X												
2	121	1287	2.852	400	✓	X												
3	122	1288	2.849	300	✓	X												
4	123	1290	2.963	250	✓ 249.	X												
5	124	1291	2.884	200	✓													
6	125	1292	2.668	175	✓													
7	126	1293	2.893	150	✓													
8	127	1294	2.975	125	✓													
9	128	1295	3.356	100	✓													
10	129	1297	3.777	75	✓													
11	130	1298	4.329	50	✓													
12	131	1299	4.249	30	✓ 31													
13	132	1300	4.193	20	✓													
14	133	1301	4.790	10	✓													
15	134	1303	5.056	5	✓													
16	135	1304	4.954	0	✓													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: #134-large air bubble before acid'n

SHIP: Vector
ENTERED BY: S.T.
CHECKED BY:

Bottom Depth: 474

Cast # down: 011
Cast # up:

Time	LOC	UTC
Begin:		1149
Bottom:		1153
End:		1220

START POSITION (GPS)
LAT: 50°56'20"
LONG: 126°28'94"

BOTTOM POSITION (GPS)
LAT: 50°56'21"
LONG: 126°28'87"

END POSITION (GPS)
LAT: 50°56'17"
LONG: 126°28'95"

ROSETTE LOG

MISSION ID: 2002-36 STATION: Kin 3.0 CAST NUMBER: 012 UTC DATE (dd/mm/yyyy): 12/Dec/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL			NUT		TCO		C13					
							OXY				ALK		CHL					
1	136	1305	2.271	6-5	✓ 190	x												> duplicates again S.F
2	137	1306	2.275	200	✓ 190													
3	138	1307	2.265	175	✓													
4	139	1309	2.389	150	✓ 151													
5	140	1310	2.773	125	✓													
6	141	1311	3.565	100	✓													
7	142	1313	3.606	75	✓													
8	143	1314	3.666	50	✓													
9	144	1315	3.855	30	✓													
10	145	1316	3.941	20	✓													
11	146	1317	4.077	10	✓								xx					
12	147	1318	4.112	5	✓								xx					
13	148	1319	4.359	0	✓			✓	✓									
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: #141 - stopper had come loose.

SHIP: Vector
ENTERED BY: ST.
CHECKED BY:

Bottom Depth: 199

Cast # down: 012
Cast # up:

Time	LOC	UTC
Begin:		1332
Bottom:		
End:		

START POSITION (GPS)
LAT: 50°54.95
LONG: 126°14.70

BOTTOM POSITION (GPS)
LAT: 50°54.88
LONG: 126°14.77

END POSITION (GPS)
LAT: 50°54.90
LONG: 126°14.67

ROSETTE LOG

MISSION ID: 2002-36 STATION: MIDD CAST NUMBER: 013 UTC DATE (dd/mm/yyyy): 13/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	149	1303	5.062	6-5	✓	46	45											
2	150	1304	5.065	30	✓													
3	151	1305	5.079	25	✓													
4	152	1306	5.081	20	✓													
5	153	1307	5.091	15	✓													
6	154	1309	5.078	10	✓							✓						
7	155	1310	5.066	5	✓							✓						
8	156	1311	5.131	0	✓													
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
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21																		
22																		
23																		
24																		

SHIP: Vector

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 45

Cast # down: 013

Cast # up:

Time	LOC	UTC
Begin:	Redone 0206	0150 1st Am
Bottom:	207	0152
End:		0200

START POSITION (GPS)

LAT: 50°39.42/same

LONG: 126°39.66 ✓

BOTTOM POSITION (GPS)

LAT: 50°39.41

LONG: 126°39.66

END POSITION (GPS)

LAT: 50°39.

LONG: 126°39.

Comments: First time, we sent it down with bottles closed. Redone.
151-154 Depths are wrong on oxy file #155 is xxxl oxy

ROSETTE LOG

MISSION ID: 2002-36

STATION: 0051

CAST NUMBER: 14

UTC DATE (dd/mm/yyyy):

13/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13							
1	157	1313	4.453	6-5	✓	157													
2	158	1314	5.385	125	✓	125													
3	159	1315	4.570	100	✓	100													
4	160	1316	4.689	75	✓														
5	161	1317	4.881	50	✓														
6	162	1318	5.075	30	✓														
7	163	1319	5.080	20	✓														
8	164	1320	5.113	10	✓								✓✓						
9	165	1321	5.102	5	✓								✓✓						
10	166	1322	5.123	0	✓														
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

SHIP: VECTOR

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 162

Cast # down: 014

Cast # up:

Time LOC UTC

Begin: 0627

Bottom: 0630

End: 0647

START POSITION (GPS)

LAT: 50°40.03

LONG: 126°46.39

BOTTOM POSITION (GPS)

LAT: 50°40.07

LONG: 126°46.45

END POSITION (GPS)

LAT: 50°40.07

LONG: 126°46.41

Comments: #158 - stopped pulled out of flask - On

ROSETTE LOG

MISSION ID: 2002-36 STATION: QCS15 CAST NUMBER: 15 UTC DATE (dd/mm/yyyy): 13/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	167	1323	4.714	6-5	✓	137												
2	168	1324	4.790	125	✓													
3	169	1325	4.984	100	✓													
4	170	1326	5.167	75	✓													
5	171	1327	5.324	50	✓													
6	172	1328	5.231	30	✓													
7	173	1329	5.247	20	✓													
8	174	1331	5.270	10	✓													
9	175	1332	5.327	5	✓													
10	176	1333	5.346	0	✓	15												
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: ST
CHECKED BY: _____

Bottom Depth: 140.

Cast # down: 015
Cast # up: _____

Time	LOC	UTC
Begin:		<u>0730</u>
Bottom:	<u>(09351)</u>	<u>0732</u>
End:		

START POSITION (GPS)
LAT: 50°42.88
LONG: 126°55.61

BOTTOM POSITION (GPS)
LAT: 50°42.89
LONG: 126°55.60

END POSITION (GPS)
LAT: 50°42.
LONG: 126°55

Comments: something went wrong with the time. One second it read 0730 - then it skipped to 930. It is the minutes are going up by seconds? ...

ROSETTE LOG

MISSION ID: 2002-36 STATION: QC2.5 CAST NUMBER: 316 UTC DATE (dd/mm/yyyy): 13/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	177	1302	7.666	6-5	✓ 194													may have touched bottom.
2	178	1267	4.601	175	✓ 173													
3	179	1268	4.807	150	✓													
4	180	1770	4.994	125	✓													
5	181	1271	5.164	100	✓ 1													
6	182	1272	5.372	75	✓													
7	183	1273	5.354	50	✓													
8	184	1274	5.380	30	✓ 31													
9	185	1276	5.240	20	✓													
10	186	1272	5.745	10	✓													130.85
11	187	1278	5.929	5	✓													132.13
12	188	1279	5.882	0	✓ 20													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
 ENTERED BY: ST
 CHECKED BY:

Bottom Depth: 205

Cast # down: 016

Cast # up:

Time	LOC	UTC
Begin:		<u>0829</u>
Bottom:		<u>0834</u>
End:		<u>0846</u>

START POSITION (GPS)
 LAT: 50° 42.48
 LONG: 127° 05.28

BOTTOM POSITION (GPS)
 LAT: 50° 42.46
 LONG: 127° 05.24

END POSITION (GPS)
 LAT: 50° 42' 49
 LONG: 127° 04.87
16.02
.01013227
.004
.716

Comments: #177-O₂ - stopper pulled out of flask.
 #182-O₂ - large air bubble in flask
 #183-O₂ - bad endpoint
 #185-O₂ - flask should be 1276, not 1275.
 #187-O₂ - flask should be 1272, not 1276

ROSETTE LOG

MISSION ID: 2002-36 STATION: QC 3.0 CAST NUMBER: 17 UTC DATE (dd/mm/yyyy): 13/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION			Samples taken												
				Sample Depth	Confirmed	pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL						
1	189	1280	4.431	6-5	✓	208	✓												
2	190	1281	4.521	200	✓														
3	191	1284	4.805	175	✓	174													
4	192	1286	5.104	150	✓														.816
5	193	1287	5.179	125	✓	126													.010 + .909
6	194	1288	5.253	100	✓														
7	195	1290	5.526	75	✓														
8	196	1291	5.554	50	✓														
9	197	1292	5.543	30	✓														
10	198	1293	5.688	20	✓	1819													
11	199	1294	5.624	10	✓														top vent may have been open on # 11 + 12.
12	200	1295	5.761	5	✓														
13	201	1297	5.779	0	✓	13													
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments: #190 - stopper pulled out, but no air
#193 - had to redo titration (titrated the milk @)

SHIP: Vector

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 211

Cast # down: 017

Cast # up:

Time	LOC	UTC
Begin:		0933
Bottom:		0938
End:		09

START POSITION (GPS)

LAT: 50° 43.75

LONG: 127° 15.03

BOTTOM POSITION (GPS)

LAT: 50° 43.72

LONG: 127° 15.12

END POSITION (GPS)

LAT: 50° 43

LONG: 127° 15

ROSETTE LOG

MISSION ID: 2002-36 STATION: QCS 2.0 CAST NUMBER: 18 UTC DATE (dd/mm/yyyy): 13/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	202	84	4.259	6-5	✓ 213	✓												
2	203	364	4.289	200	✓													
3	204	535	4.289	175	✓													
4	205	572	4.402	150	✓													
5	206	697	4.769	135	✓													
6	207	695	5.239	100	✓ 101													
7	208	697	5.291	75	✓													
8	209	707	5.266	50	✓													
9	210	708	5.293	30	✓													
10	211	709	5.335	20	✓													
11	212	715	5.356	10	✓							✓						
12	213	727	5.372	5	✓							✓						
13	214	1105	5.392	0	✓ 1.5													
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: * 206 Chartograph is sample, much particulate

SHIP: Vector
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 224

Cast # down: 018
Cast # up:

Time	LOC	UTC
Begin:		1046
Bottom:		1051
End:		1103

START POSITION (GPS)
LAT: 50°46.58
LONG: 127°02'31

BOTTOM POSITION (GPS)
LAT: 50°46.69
LONG: 127°02.22

END POSITION (GPS)
LAT: 50°46.78
LONG: 127°02.00

Note: I checked the standardization (O₂) by using the calibration procedure. cast #99, samples 999 & 998. Seems to be fine, although there is some extra moisture around piston. bgm 2001 rosette.xls

ROSETTE LOG

MISSION ID: 2002-36 STATION: PE-DO CAST NUMBER: 19 UTC DATE (dd/mm/yyyy): 14/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	215	84	5.033	40	✓ 41													hit bottom 43m
2	216	364	5.042	35	✓ 35													
3	217	535	4.834	30	✓													
4	218	572	4.835	25	✓													
5	219	657	4.924	20	✓													
6	220	695	5.239	15	✓													
7	221	1305	5.842	10								✓✓						
8	222	707	5.815	5								✓✓						
9	223	708	6.311	0								✓✓						
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 46.5

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0454
Bottom:		0456
End:		

START POSITION (GPS)

LAT: 50°40.24

LONG: 126°29.04

BOTTOM POSITION (GPS)

LAT: 50°40.24

LONG: 126°29.04

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-36 STATION: CC1 CAST NUMBER: 20 UTC DATE (dd/mm/yyyy): 14/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	224	709	3.272	16-5	✓ 111													may have hit bottom.
2	225	715	3.258	100	✓													
3	226	727	3.564	75	✓													
4	227	1105	3.836	50	✓													
5	228	1110	4.210	30	✓													
6	229	1126	4.654	20	✓													
7	230	1128	4.994	10	✓													
8	231	1130	5.090	5	✓													
9	232	1134	5.133	0	✓ 1.4		✓											
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 117 m

Cast # down: 20
Cast # up:

Time	LOC	UTC
Begin:		0610
Bottom:		0613
End:		0621

START POSITION (GPS)
LAT: 50° 36' 32"
LONG: 126° 21' 43"

BOTTOM POSITION (GPS)
LAT: 50° 36' 34"
LONG: 126° 21' 44"

END POSITION (GPS)
LAT: 50° 36' 29"
LONG: 126° 21' 44"

ROSETTE LOG

MISSION ID:

2002-36

STATION:

CC2

CAST NUMBER:

121

UTC DATE (dd/mm/yyyy):

20 14/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	233	1135	3.646	6.5	✓ 61													
2	234	1136	3.657	56	✓													
3	235	1137	4.857	30	✓													
4	236	1138	5.267	26	✓													
5	237	1141	5.447	10	✓								✓✓					
6	238	1142	5.453	5	✓								✓✓					
7	239	1146	5.508	0	✓ 1.5													
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:

Vector

ENTERED BY:

ST.

CHECKED BY:

Bottom Depth:

67

Cast # down:

021

Cast # up:

Time

LOC

UTC

Begin:

0702

Bottom:

0704

End:

0709

START POSITION (GPS)

LAT:

50°34'23"

LONG:

126°29'35"

BOTTOM POSITION (GPS)

LAT:

50°34'24"

LONG:

126°29'33"

END POSITION (GPS)

LAT:

50°34'28"

LONG:

126°29'31"

Comments:

ROSETTE LOG

MISSION ID: 2002-36 STATION: JS1 CAST NUMBER: 022 UTC DATE (dd/mm/yyyy): 14/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL			NUT		TCO		C13					
						OXY					ALK		CHL					
1	240	1302	4.894	6-5	✓ 458	✓												
2	241	1267	4.897	400	✓ 404	✓												
3	242	1268	4.938	300	✓	✓												
4	243	1270	4.982	250	✓	✓												
5	244	1271	5.022	200	✓													
6	245	1272	5.028	175	✓													
7	246	1273	5.009	150	✓													
8	247	1274	5.483	125	✓													
9	248	1276	5.008	100	✓													
10	249	1277	5.026	75	✓													
11	250	1278	5.086	50	✓													
12	251	1279	5.087	30	✓													
13	252	1280	5.093	20	✓													
14	253	1281	5.157	10	✓								✓✓					
15	254	1284	5.226	5	✓								✓✓					
16	255	1286	5.240	0	✓ 1.5													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
 ENTERED BY: S.T.
 CHECKED BY:

Bottom Depth: 467

Cast # down: 022

Cast # up:

Time	LOC	UTC
Begin:		<u>1028</u>
Bottom:		<u>1034</u>
End:		<u>1108</u>

START POSITION (GPS)
 LAT: 50°32.99
 LONG: 126°46.02

BOTTOM POSITION (GPS)
 LAT: 50°32.93
 LONG: 126°45.97

END POSITION (GPS)
 LAT: 50°32.99
 LONG: 126°45.97

Comments: #242 - small air bubble.
#247 - large air bubble in flask - stopper pulled out?

ROSETTE LOG

MISSION ID: 2002-36 STATION: Je 10 CAST NUMBER: 023 UTC DATE (dd/mm/yyyy): 15/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	256	1303	2.448	bot-5	✓ 268													
2	257	1304	1.876	200	✓													
3	258	1305	1.914	175	✓													
4	259	1309	1.235	150	✓													
5	260	1307	0.840	125	✓													
6	261	1306	0.642	100	✓													
7	262	1310	1.479	75	✓													
8	263	1311	2.529	50	✓													
9	264	1313	3.552	30	✓													
10	265	1314	3.215	20	✓													
11	266	1316	3.761	10	✓							✓✓						
12	267	1315	4.093	5	✓							✓✓						
13	268	1317	4.543	0	✓													
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 277

Cast # down: 023

Cast # up:

Time	LOC	UTC
Begin:		1436
Bottom:		1443
End:		1500

START POSITION (GPS)		
LAT:	50°	11.40
LONG:	123°	57.07

BOTTOM POSITION (GPS)		
LAT:		11.41
LONG:		57.02

END POSITION (GPS)		
LAT:		11.34
LONG:		56.96

ROSETTE LOG

MISSION ID: 2002-36 STATION: Je 9 CAST NUMBER: 024 UTC DATE (dd/mm/yyyy): 15/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	269	1318	2.520	60-5	✓ 357	✓												
2	270	1319	2.510	300	✓	✓												
3	271	1320	2.474	250	✓	✓												
4	272	1321	1.976	200	✓													
5	273	1322	1.595	175	✓													
6	274	1323	1.385	150	✓													
7	275	1324	0.900	125	✓													
8	276	1325	0.795	100	✓													
9	277	1326	1.719	75	✓													
10	278	1327	2.560	50	✓													
11	279	1328	3.155	30	✓													
12	280	1329	3.550	20	✓													
13	281	1331	4.022	10	✓													
14	282	1332	4.199	5	✓													
15	283	1333	4.795	0														
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 363

Cast # down: 024

Cast # up:

Time	LOC	UTC
Begin:		1539
Bottom:		1548
End:		1608

START POSITION (GPS)

LAT: 50° 08.60

LONG: 123° 50.48

BOTTOM POSITION (GPS)

LAT: 8.61

LONG: 50.44

END POSITION (GPS)

LAT: 8.57

LONG: 50.39

ROSETTE LOG

MISSION ID: 2002-36 STATION: JG 8 CAST NUMBER: 025 UTC DATE (dd/mm/yyyy): 15/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	284	1302	2.520	605	✓	473	✓											
2	285	1267	2.535	400	✓		✗											
3	286	1268	2.543	300	✓		✗											
4	287	1270	2.429	250	✓		✗											
5	288	1271	1.924	200	✓													
6	289	1272	1.570	175	✓													
7	290	1273	1.192	150	✓													
8	291	1274	0.998	125	✓													
9	292	1276	0.985	100	✓													
10	293	1277	1.987	75	✓													
11	294	1278	3.091	50	✓													
12	295	1279	3.596	30	✓													
13	296	1280	3.763	20	✓													
14	297	1281	4.453	10	✓													
15	298	1284	4.754	5	✓													
16	299	1286	5.490	0	✓													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
 ENTERED BY:
 CHECKED BY:

Bottom Depth: 477

Cast # down: 025
 Cast # up:

Time	LOC	UTC
Begin:		1639
Bottom:		1650
End:		1712

START POSITION (GPS)
 LAT: 50° 57.30
 LONG: 123° 46.72

BOTTOM POSITION (GPS)
 LAT: 5.30
 LONG: 46.76

END POSITION (GPS)
 LAT: 5.25
 LONG: 46.86

Comments:

ROSETTE LOG

MISSION ID: 2002-36 STATION: Je 7 CAST NUMBER: 026 UTC DATE (dd/mm/yyyy): 15/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION			Samples taken												
				Sample Depth	Confirmed pressure		SAL		NUT		TCO		C13						
							OXY				ALK		CHL						
1	300	1287	2.529	600-5	✓	540	Y												
2	301	1288	2.547	500	✓		Y												
3	302	1290	2.535	400	✓		Y												
4	303	1291	2.550	300	✓		Y												
X 5	304	1292	2.541	250	✓														
6	305	1293	2.002	200	✓				X										
7	306	1294	1.952	175	✓	172													
8	307	1295	1.224	150	✓														
9	308	1297	1.064	125	✓														
10	309	1298	1.288	100	✓														
11	310	1299	1.908	75	✓				X										
12	311	1300	3.586	50	✓														
13	312	1301	3.855	30	✓														
14	313	1188	4.161	20	✓														
15	314	1189	4.909	10	✓								✓✓						
16	315	1192	4.839	5	✓								✓✓						
17	316	1193	5.746	0	✓														
18																			
19																			
20																			
21																			
22																			
23																			
24																			

SHIP: VECTOR
 ENTERED BY:
 CHECKED BY:

Bottom Depth: 545

Cast # down: 026

Cast # up:

Time	LOC	UTC
Begin:		1742
Bottom:		1755
End:		1820

START POSITION (GPS)
 LAT: 50° 2.52
 LONG: 123° 51.25

BOTTOM POSITION (GPS)
 LAT: 2.54
 LONG: 51.24

END POSITION (GPS)
 LAT: 2.61
 LONG: 51.28

Comments:

x Bottle #5 is leaking, nick in O-ring groove
 #312 - Fresh batch Ag2SO4

ROSETTE LOG

MISSION ID: 2002-36 STATION: Jc 6 CAST NUMBER: 027 UTC DATE (dd/mm/yyyy): 15/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	317	1195	2.587	bot-5	✓	545	✗											
2	318	1203	2.809	500	✓		✓											
3	319	1206	2.567	400	✓	3989	✗											
4	320	1209	2.556	300	✓		✗											
*5	321	1210	2.558	250	✓													
6	322	1212	1.936	200	✓													
? 7	323	1215	1.655	175	✓	173												
8	324	1216	1.420	150	✓													
9	325	1222	1.477	125	✓	124												
10	326	1223	1.853	100	✓													
11	327	1224	2.546	75	✓													
12	328	1225	3.850	50	✓													
13	329	1228	4.872	20	✓	29												
14	330	1231	5.296	20	✓	2												
+15	331	1233	5.576	10	✓							✓						
16	332	1235	5.198	5	✓							✓						
17	333	1237	5.760	0	✓													
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 547

Cast # down: 027

Cast # up:

Time LOC UTC

Begin: 1904

Bottom: 1916

End: 1940

START POSITION (GPS)

LAT: 49°59.10

LONG: 123°59.31

BOTTOM POSITION (GPS)

LAT: 49°59.07

LONG: 123°59.29

END POSITION (GPS)

LAT: 49°59.07

LONG: 123°59.38

Comments: * Bottle #5 has a nick inoring groove

* Carousel hook arm #15 is tight

* Bottle has tight spigot

#318 - stopper pulled out of flask

#330 - air bubble in flask (after acid)

#331 - stopper pulled out of flask

ROSETTE LOG

MISSION ID: 2002-36 STATION: Je 5 CAST NUMBER: 028 UTC DATE (dd/mm/yyyy): 15/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	334	1238	2.570	605	✓	647	X											
2	335	1241	2.557	500	✓		X											
3	336	1244	2.567	400	✓		X											
4	337	1247	2.577	300	✓		X											
5	338	1248	2.436	250	✓		X											
6	339	1256	2.038	200	✓													
7	340	1258	1.748	175	✓													
8	341	1260	1.575	150	✓													
9	342	1261	1.844	125	✓													
10	343	1303	2.412	100	✓													
11	344	1304	3.282	75	✓													
12	345	1305	4.069	50	✓													
13	346	1306	(3.150)	30	✓													.5/8
14	347	1307	5.441	20	✓													
15	348	1309	5.508	10	✓													
16	349	1310	5.483	5	✓													
17	350	1311	5.606	0	✓													
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
 ENTERED BY: ST.
 CHECKED BY:

Bottom Depth: 659

Cast # down: 028

Cast # up:

Time	LOC	UTC
Begin:		<u>2021</u>
Bottom:		<u>2036</u>
End:		<u>2102</u>

START POSITION (GPS)
 LAT: 49°54.28
 LONG: 123°55.50

BOTTOM POSITION (GPS)
 LAT: 49°54.20
 LONG: 123°55.44

END POSITION (GPS)
 LAT: 49°54.20
 LONG: 123°55.23

Comments: #344: bubble in flask before acid'n
 #346: titration not good - no endpoint

ROSETTE LOG

MISSION ID: 2002-36 STATION: Je 4 CAST NUMBER: 029 UTC DATE (dd/mm/yyyy): 15/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL			NUT		TCO		C13					
						OXY					ALK		CHL					
1	351	1313	2.521	6-5	✓	660	X	X										
2	352	1314	2.563	600	✓		X											
3	353	1315	2.570	500	✓		X											
4	354	1316	2.558	400	✓		X											
5	355	1317	2.575	300	✓		X											
6	356	1318	2.441	250	✓		X											
7	357	1319	2.274	200	✓													
8	358	1320	1.874	175	✓													
9	359	1321	1.769	150	✓													
10	360	1322	2.232	125	✓													
11	361	1323	2.337	100	✓													
12	362	1324	3.294	75	✓													
13	363	1325	4.515	50	✓													
14	364	1326	5.488	30	✓													
15	365	1327	5.685	20	✓													
16	366	1328	5.604	10	✓													
17	367	1329	7.258	5	✓													
18	368	1331	5.996	0														
19																		
20																		
21																		
22																		
23																		
24																		

Comments: # 357 - air bubble in flask before and in

SHIP: Vector
 ENTERED BY: ST
 CHECKED BY:

Bottom Depth: 671

Cast # down: 029

Cast # up:

Time	LOC	UTC
Begin:		2138
Bottom:		2153
End:		2219

START POSITION (GPS)
 LAT: 49°49.51
 LONG: 123°54.21

BOTTOM POSITION (GPS)
 LAT: 49°49.45
 LONG: 123°54.24

END POSITION (GPS)
 LAT: 49°49.30
 LONG: 123°54.33

ROSETTE LOG

MISSION ID: 2002-36 STATION: J+3 CAST NUMBER: 030 UTC DATE (dd/mm/yyyy): 15/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	369	1332	2.540	6-5	✓ 670	✓	×											
2	370	1333	2.534	600	✓	✓												
3	371	1334	2.549	500	✓	+												
4	372	1302	2.568	400	✓	+												
5	373	1267	2.558	300	✓	+												
6	374	1268	2.861	250	✓	+												
7	375	1270	2.077	200	✓ 199													
8	376	1271	2.097	175	✓													
9	377	1272	2.132	150	✓ 151													
10	378	1273	2.288	125	✓													
11	379	1274	2.673	100	✓													
12	380	1276	3.263	75	✓													
13	381	1277	4.401	50	✓													
14	382	1287	5.374	30	✓													
15	383	1288	5.224	20	✓													
16	384	1290	5.425	10	✓													
17	385	1291	5.438	5	✓													
18	386	1292	5.630	0	✓ 41													
19																		
20																		
21																		
22																		
23																		
24																		

Comments: #381 - air bottle w/low acid'n

SHIP: Vector

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 680

Cast # down: 030

Cast # up:

Time	LOC	UTC
Begin:		2300
Bottom:		2310
End:		

START POSITION (GPS)

LAT: 49°48.59

LONG: 124°02.51

BOTTOM POSITION (GPS)

LAT: 49°48.61

LONG: 124°02.56

END POSITION (GPS)

LAT: 49°48.

LONG: 124°02.

ROSETTE LOG

MISSION ID: 2002-36

STATION: Je 2

CAST NUMBER: 031

UTC DATE (dd/mm/yyyy): 16/12/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	387	1284	2.543	6-5	✓ 605	X	X											
2	388	1280	2.533	500	✓	X												
3	389	1279	2.517	400	✓	X												
4	390	1278	2.525	300	✓	X												
5	391	1286	2.476	250	✓	X												
6	392	1281	2.218	200	✓													
7	393	1293	2.083	175	✓ 175													
8	394	1294	2.138	150	✓													
9	395	1295	2.241	125	✓ 126													
10	396	1297	2.635	100	✓													
11	397	1298	3.024	75	✓													
12	398	1299	4.127	50	✓													
13	399	1300	5.833	30	✓													
14	400	1301	5.958	20	✓													
15	401	1302	5.585	10	✓													
16	402	1189	5.562	5	✓													
17	403	1192	5.695	0	<1													
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: vector
 ENTERED BY: S.T.
 CHECKED BY:

Bottom Depth: 604

Cast # down: 031

Cast # up:

Time	LOC	UTC
Begin:		0008
Bottom:		0017
End:		

START POSITION (GPS)
 LAT: 49.46.30
 LONG: 124.09.29

BOTTOM POSITION (GPS)
 LAT: 49.46.30
 LONG: 124.09.32

END POSITION (GPS)
 LAT: 49.46.37
 LONG: 124.09.38

Comments: