

ROSETTE LOG

MISSION ID:

STATION NAME:

9909
102

UTC DATE y/m/d:

CAST NUMBER:

99/09/20
012

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										02 Dosage Dispensed
					Trip pressure	Confirmed Salinity	SAL	OXY	NUT	CHL	ALK	CI3	TCO				
1	26	84		250	250	✓	✓	✓	✓								0.353
2	27	97		200	200	✓	✓										0.461
3	28	256		175	176	✓	✓										0.489
4	29	333		150	150	✓											0.529
5	30	337		125	125	✓											0.581
6	31	364		100	100	✓											0.628
7	32	392		75	75	✓											0.832
8	33	412		50	50	✓											0.996
9	34	425		40	40	✓											0.987
10	35	443		30	30	✓											1.094
11	36	463		20	20	✓											1.152
12	37	467		10	10	✓											1.191
13	38	486		5	5	✓											1.202
14	39	509		0	2	✓											1.204
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: S. Romaine

CHECKED BY:

Bottom Depth: 260

Cast # down: 012

Cast # up: 012

Time LOC UTC

Begin: 0926

Bottom: 0933

End: 1000

START POSITION (GPS)

LAT: 48 29.94

LONG: 124 44.12

BOTTOM POSITION (GPS)

LAT: 48 30.00

LONG: 124 44.08

END POSITION (GPS)

LAT: 48 30.14

LONG: 124 43.97

Comments:

ROSETTE LOG

MISSION ID:

9909

UTC DATE y/m/d:

99/04/20

SHIP: VECTOR

STATION NAME:

75

CAST NUMBER:

015

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ Dosage Dispensed
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	40	534		217	217	✓	✓	✓	✓								0.380
2	41	535		200			✓	✓	✓								0.416
3	42	572		175			✓	✓	✓								0.414
4	43	578		150			✓	✓	✓								0.471
5	44	588		125			✓	✓	✓								0.604
6	45	597		100			✓	✓	✓								0.669
7	46	632		75			✓	✓	✓								0.864
8	47	638		50			✓	✓	✓								0.971
9	48	641		40			✓	✓	✓								1.060
10	49	650		30			✓	✓	✓								1.078
11	50	657		20			✓	✓	✓								1.151
12	51	695		10			✓	✓	✓								1.177
13	52	697		5			✓	✓	✓								1.177
14	53	707		0			✓	✓	✓								1.142
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY: D. Masson
CHECKED BY:

Bottom Depth: 230

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		12 46
Bottom:		12 51
End:		

START POSITION (GPS)		
LAT:	48	28 12
LONG:	124	32 57

BOTTOM POSITION (GPS)		
LAT:	48	28 05
LONG:	124	32 45

END POSITION (GPS)		
LAT:		
LONG:		

ROSETTE LOG

MISSION ID:

9909

UTC DATE y/m/d:

20/4/95

SHIP:

VECTOR

STATION NAME:

72

CAST NUMBER:

018

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ Dosage Dispensed
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	54	712		bot-5	150	✓											0.422
2	55	713		175	175	✓											0.443
3	56	715		150	150	✓											0.429
4	57	724		125	126	✓											0.429
5	58	726		100	101	✓											0.550
6	59	727		75	76	✓											0.739
7	60	730		50	50	✓											0.884
8	61	732		40	40	✓											0.909
9	62	734		30	29	✓											0.928
10	63	735		20	20	✓											1.001
11	64	1045		10	10	✓											0.993
12	65	1062		5	5	✓											1.005
13	66	1090		0	2.2	✓											0.997
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

188

Cast # down:

018

Cast # up:

018

Time

LOC

UTC

Begin:

1737

Bottom:

1742

End:

1758

START POSITION (GPS)

LAT:

48

18.66

LONG:

124

4.22

BOTTOM POSITION (GPS)

LAT:

48°

18.70

LONG:

124°

4.38

END POSITION (GPS)

LAT:

48°

18.81

LONG:

124°

5.01

ROSETTE LOG

MISSION ID:

9909

UTC DATE y/m/d:

20 April 1999

SHIP: Vector

STATION NAME:

7869

CAST NUMBER:

023

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ Dosage Dispensed
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	67	1103		167	167	✓											0.462
2	68	1104		150	152	✓											0.460
3	69	1105		125	128	✓											0.464
4	70	1106		100	103	✓											0.571
5	71	1110		75	73	✓											0.671
6	72	1113		50	50	✓											0.769
7	73	1114		40	40	✓											0.777
8	74	1119		30	30	✓											0.804
9	75	1126		20	20	✓											0.877
10	76	1128		10	10	✓											0.874
11	77	1130		5	5	✓											0.906
12	78	1132		0	2	✓											0.900
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: S. Romaine

CHECKED BY:

Bottom Depth: 165

Cast # down: 023

Cast # up: 023

Time LOC UTC

Begin: 2110

Bottom:

End: 2132

START POSITION (GPS)

LAT: 48 15.63

LONG: 123 43.65

BOTTOM POSITION (GPS)

LAT: 48 15.72

LONG: 123 44.05

END POSITION (GPS)

LAT:

LONG:

Comments:

NOTE: str corrected - matches with cast number
str 69 is cast 023

ROSETTE LOG

MISSION ID:

9909

UTC DATE y/m/d:

99/4/21

SHIP:

VECTOR

STATION NAME:

65

CAST NUMBER:

028

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										ml/L	O ₂ Dosage Dispensed
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	54a	77	84	110	118	✓			↑	↑								0.785
2	55a	80	97	100	100	✓												0.888
3	56a	81	255	75	75	✓												0.932
4	57a	82	333	50	50	✓												0.969
5	58a	83	337	40	40	✓												1.085
6	59a	84	364	30	30	✓												1.087
7	60a	85	392	20	20	✓												1.146
8	61a	86	412	10	10	✓												1.136
9	62a	87	425	5	5	✓				X								1.128
10	63a	88	443	0	2.1	✓			↓	↓							6.137	1.144
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23	Note: O ₂ #54a titration paused to remove bubble - weird titration curve																	
24																		

Comments:

Note: - Rosette banged into Alfranco
- spigot on bottle #8 + #9 lost pull disk
- No nutrient sample from bottle #9

NOTE: Labels not correct. #54-63
already used for str. 72 - hence - a.

ENTERED BY:

DN/ DJ5

CHECKED BY:

Bottom Depth:

118

Cast # down:

028

Cast # up:

028

Time

LOC

UTC

Begin:

03:40

Bottom:

03:43

End:

03:55

START POSITION (GPS)

LAT:

48° 15.93

LONG:

123° 9.72

BOTTOM POSITION (GPS)

LAT:

15.84

LONG:

9.65

END POSITION (GPS)

LAT:

16.00

LONG:

9.44

ROSETTE LOG

MISSION ID:

9909

UTC DATE y/m/d:

21/4/99

SHIP:

VECTOR

STATION NAME:

62

CAST NUMBER:

030

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										ml/L	O ₂ ml
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	79	463		150	138	✓		✓	✓									0.855
2	80	467		125	125	✓		↓	↓								4.839	0.913
3	81	486		100	102	✓		↓	↓								5.180	0.977
4	82	509		75	75	✓		↓	↓								5.312	1.003
5	83	534		50	50	✓		↓	↓								5.618	0.966
6	84	535		40	40	✓		↓	↓								5.727	1.076
7	85	572		30	30	✓		↓	↓								5.875	1.092
8						✓												
9						✓												
10	86	578		20	20	✓		✓	✓								5.929	1.100
11	87	588		10	10	✓		↓	↓								5.976	1.117
12	88	597		5	5	✓		↓	↓								6.010	1.098
13	89	632		0	2.7	✓		↓	↓								6.014	1.118
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

152

Cast # down:

030

Cast # up:

030

Time

LOC

UTC

Begin:

0530

Bottom:

0534

End:

START POSITION (GPS)

LAT:

48°

22.86

LONG:

123°

2.79

BOTTOM POSITION (GPS)

LAT:

48°

22.83

LONG:

123°

2.74

END POSITION (GPS)

LAT:

48°

LONG:

123°

Comments:

Bottles #8 + #9 are damaged and will not be used.

ROSETTE LOG

MISSION ID: 9909
STATION NAME: 59

UTC DATE y/m/d: 15/4/99
CAST NUMBER: 002

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ Dosage Dispensed
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	13	486		200	218	✓	✓	✓	✓								0.998
2	14	509		175	174	✓	✓										1.031
3	15	534		150	150	✓	✓										0.993
4	16	535		125	127	✓											1.081
5	17	572		100	100	✓											1.081
6	18	578		75	75	✓											1.085
7	19	588		50	50	✓											1.112
8	20	597		40	39	✓											1.133
9	21	632		30	30	✓											1.146
10	22	638		20	20	✓											1.151
11	23	641		10	10	✓											1.165
12	24	650		5	5	✓											1.155
13	25	657		0	2	✓			↓	↓							1.161
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 236

Cast # down: 002
Cast # up: 002

Time	LOC	UTC
Begin:		1802
Bottom:		
End:		

START POSITION (GPS)
LAT: 48° 37.67
LONG: 123° 14.46

BOTTOM POSITION (GPS)
LAT: 48° 3
LONG:

END POSITION (GPS)
LAT: 48° 36.60
LONG: 123° 13.97

Comments:

ROSETTE LOG

MISSION ID:

9909

UTC DATE y/m/d:

99/4/21

STATION NAME:

56

CAST NUMBER:

35

SHIP: VECTOR

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

ROSETTE OPERATION		Samples taken												O ₂	
Trip	Confirmed	SAL		NUT		ALK		TCO						me disp.	me/L
pressure	Salinity		OXY		CHL		C13								
1	90	712		bottom-5	200	✓	✓	↑	↑					0.968	5.491
2	91	713		175	176	✓	✓	↑	↑					1.009	5.570
3	92	715		150	151	✓		↑	↑					1.009	5.674
4	93	724		125		✓		↑	↑					0.979	5.688
5	94	726		100		✓		↑	↑					1.032	5.854
6	95	727		75		✓		↑	↑					1.047	6.009
7	96	730		50		✓		↑	↑					1.089	6.128
8															
9															
10	97	732		40		✓		↑	↑					1.074	6.086
11	98	734		30		✓		↑	↑					1.065	6.058
12	99	735		20		✓		↑	↑					1.116	6.047
13	100	1045		10		✓		↓	↓					1.077	6.188
14	101	1062		5		✓		↓	↓					1.109	6.391
15	102	1090		0		✓		↓	↓					1.107	6.434
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: D. Masson

CHECKED BY:

Bottom Depth: 214

Cast # down: 035

Cast # up: 035

Time LOC UTC

Begin: 1209

Bottom: 1214

End: 1228

START POSITION (GPS)

LAT: 48 46 43

LONG: 123 1 50

BOTTOM POSITION (GPS)

LAT: 48 46 46

LONG: 123 1 45

END POSITION (GPS)

LAT: 48 46 61

LONG: 123 1 23

Comments:

ROSETTE LOG

MISSION ID:

9909

UTC DATE y/m/d:

9/14/21

STATION NAME:

46

CAST NUMBER:

045

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ dispensed ml	me/L
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	103	1103		bottom 5	169	✓											1.009	6.102
2	104	1104		150	151	✓												
3	105	1105		125	125	✓											1.015	6.217
4	106	1106		100	100	✓											1.041	6.326
5	107	1110		75	75	✓											1.030	6.327
6	108	1113		50	50	✓											1.061	6.348
7	109	1114		40	40	✓											1.037	6.300
8						✓												
8						✓												
10	110	1119		30	30	✓											0.999	6.014
11	111	1126		20	20	✓											0.988	6.041
12	112	1128		10	10	✓											1.151	7.084
13	113	1130		5	5	✓											1.401	8.467
14	114	1132		0	1.8	✓											1.464	9.057
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

170

Cast # down:

045

Cast # up:

Time LOC UTC

Begin:

17:56

Bottom:

18:00

End:

18:16

START POSITION (GPS)

LAT:

48° 51.39

LONG:

123° 10.69

BOTTOM POSITION (GPS)

LAT:

48° 51.40

LONG:

123° 10.57

END POSITION (GPS)

LAT:

48° 51.42

LONG:

123° 10.22

ROSETTE LOG

MISSION ID:

9909

UTC DATE y/m/d:

1999/Apr/21

STATION NAME:

42

CAST NUMBER:

048

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ dispensed ml	O ₂ ml/L
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	115	84		Bottom-5	315	✓	✓	✓	✓								0.426	2.250
2	116	97		300		✓	✓										0.483	2.569
3	117	255		250		✓	✓										0.521	2.823
4	118	333		200		✓	✓										0.579	3.133
5	119	337		175		✓	✓										0.672	3.642
6	120	364		150		✓	✓										0.951	5.221
7	121	392		125		✓											1.006	5.420
8	122	412		100		✓											1.074	5.926
9	123	425		75		✓											1.073	5.841
10	124	443		50		✓											1.102	5.907
11	125	463		40		✓											1.115	6.033
12	126	467		30		✓									OK *		1.133	6.097
13	127	486		20		✓											1.183	6.346
14	128	509		10		✓											1.635	8.810
15	129	534		5		✓											1.550	9.104
16	130	535		0		✓											1.652	8.898
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

*NOTE: O₂ titration curve - sharp increase then plateau

ENTERED BY:

CHECKED BY:

Bottom Depth:

321

Cast # down:

48

Cast # up:

Time LOC UTC

Begin: 21 05

Bottom: 21 11

End: 21 30

START POSITION (GPS)

LAT: 49 1.79

LONG: 123 26.13

BOTTOM POSITION (GPS)

LAT: 49 1.8

LONG: 123 26.07

END POSITION (GPS)

LAT: 49 1.8

LONG: 123 25.89

ROSETTE LOG

MISSION ID:

9909

UTC DATE y/m/d:

99/4/22

STATION NAME:

39

CAST NUMBER:

53

SHIP: VECTOR

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

ROSETTE OPERATION		Samples taken										O ₂	O ₂
Trip	Confirmed	SAL		NUT		ALK		TCO				dosage	ml/L
pressure	Salinity		OXY		CHL		C13					ml	
1	131	1138		bot-5	366	✓						0.403	2.373
2	132	1139		300		✓						0.428	2.524
3	133	1141		250		✓						0.735	4.382
4	134	1142		200		✓						0.749	4.508
5	135	1143		175		✓						0.798	4.821
6	136	1144		150		✓				ok	*	0.638	3.848
7	137	1146		125		✓						0.884	5.396
8	138	1148		100		✓						0.903	5.575
9	139	1150		75		✓						0.874	5.305
10	140	1153		50		✓				ok	*	0.922	5.612
11	141	1154		40		✓						0.927	5.641
12	142	1155		30		✓						1.023	6.151
13	143	1158		20		✓						1.086	6.502
14	144	1168		10		✓						1.598	9.286
15	145	1171		5		✓						1.723	9.721
16	146	1174		0		✓						1.704	9.382
17													
18													
19													
20													
21													
22													
23													
24													

ENTERED BY: D. Masson

CHECKED BY:

Bottom Depth: 366

Cast # down: 53

Cast # up:

Time	LOC	UTC
Begin:		1:17
Bottom:		1:25
End:		1:43

START POSITION (GPS)		
LAT:	49	9.83
LONG:	123	32.98

BOTTOM POSITION (GPS)		
LAT:		
LONG:		

END POSITION (GPS)		
LAT:	49	10.12
LONG:	123	32.76

Comments:

O₂ - sample #136 seemed cloudy before adding acid.
" 140 small bubbles on inside of flask

ROSETTE LOG

MISSION ID: 9909

UTC DATE y/m/d: 99/4/22

SHIP: VECTOR

STATION NAME: 27

CAST NUMBER: 057

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O2 dosage ml	O2 ml/L
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	147	712		245	337	✓	✓		↑								0.448	2.469
2	148	713		300	300	✓	✓		↑								0.483	2.604
3	149	715		250	250	✓	✓		↑								0.511	2.811
4	150	724		200	200	✓			↑								0.598	3.426
5	151	726		175	175	✓			↑								0.687	3.854
6	152	727		150	150	✓			↑								0.800	4.559
7	153	730		125	125	✓			↑								0.907	5.076
8	154	732		100	100	✓			↑								0.942	5.323
9	155	734		75	75	✓			↑								0.948	5.373
10	156	735		50	49	✓			↑								1.015	5.478
11	157	1045		40	40	✓			↑								0.998	5.712
12	158	1062		30	30	✓			↑								1.088	6.268
13	159	1090		20	20	✓			↑								1.126	6.553
14	160	1103		10	10	✓			↑								1.447	8.819
15	161	1104		5	5	✓			↑								1.467	8.890
16	162	1105		0					↓								1.451	8.884
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: DM/DJS

CHECKED BY:

Bottom Depth: 353

Cast # down: 057

Cast # up: 057

Time LOC UTC

Begin: 0435

Bottom: 0442

End: 0504

START POSITION (GPS)

LAT: 49° 19.10

LONG: 123° 47.77

BOTTOM POSITION (GPS)

LAT: 49° 19.12

LONG: 123° 47.92

END POSITION (GPS)

LAT: 49° 19.17

LONG: 123° 47.76

ROSETTE LOG

MISSION ID:

9909

UTC DATE y/m/d:

99/4/23

STATION NAME:

16

CAST NUMBER:

75

SHIP:

VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ dosage ml	O ₂ ml/L
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	178	84		Bot - 5	145	✓	✓	✓	✓								0.647	3.487
2	179	97		125		✓	✓	✓	✓								0.668	3.600
3	180	255		100		✓		✓	✓								0.797	4.379
4	181	333		75		✓		✓	✓								0.857	4.697
5	182	337		50		✓		✓	✓								0.999	5.467
6	183	364		40		✓		✓	✓								1.047	5.767
7	184	392		30		✓		✓	✓								1.117	6.031
8	185	412		20		✓		✓	✓								1.298	7.195
9	186	425		10		✓		✓	✓								1.602	8.734
10	187	443		5		✓		✓	✓								1.711	9.249
11	188	463		0		✓		✓	✓								1.949	10.586
12																		
13																		
14																		
15																		
16																		
17																		
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19																		
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21																		
22																		
23																		
24																		

ENTERED BY: D.M / J.L.

CHECKED BY:

Bottom Depth:

145

Cast # down:

75

Cast # up:

Time LOC UTC

Begin: 23:50

Bottom:

End: 00:06

START POSITION (GPS)

LAT: 49 57.73

LONG: 125 8.83

BOTTOM POSITION (GPS)

LAT: 49 57.76

LONG: 125 8.89

END POSITION (GPS)

LAT: 49 57.75

LONG: 125 8.90

Comments:

NOTE: Nisk #5 - vent not closed

ROSETTE LOG

MISSION ID:

9909

UTC DATE y/m/d:

99/4/23

STATION NAME:

14

CAST NUMBER:

77

SHIP:

VECTOR

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

ROSETTE OPERATION

Trip
pressureConfirmed
Salinity

SAL

OXY

NUT

CHL

Samples taken

ALK

C13

TCO

O₂
dissage
mlO₂
ml/L

1	189	467		Bot-5	306	✓		↑	↑									0.535	2.817
2	190	486		250		✓	✓											0.589	3.096
3	191	509		200		✓	✓											0.658	3.475
4	192	534		175		✓	✓											0.650	3.735
5	193	535		150		✓												0.751	3.999
6	194	572		125		✓												0.838	4.471
7	195	578		100		✓												0.871	4.670
8	196	588		75		✓												0.870	4.632
9	197	597		50		✓												0.966	5.273
10	198	632		40		✓												0.992	5.322
11	199	638		30		✓												1.012	5.484
12	200	641		20		✓												1.090	5.852
13	201	650		10		✓												1.530	8.301
14	202	657		5		✓												1.821	9.776
15	203	695		0		✓		↓	↓									1.813	10.068
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

ENTERED BY:

D. M.

CHECKED BY:

Bottom Depth:

3

Cast # down:

77

Cast # up:

Time

LOC

UTC

Begin:

1:31

Bottom:

1:37

End:

1:52

START POSITION (GPS)

LAT:

49

53.02

LONG:

124

59.64

BOTTOM POSITION (GPS)

LAT:

49

53.05

LONG:

124

59.7

END POSITION (GPS)

LAT:

49

53.18

LONG:

124

59.78

ROSETTE LOG

MISSION ID:**STATION NAME:**

UTC DATE y/m/d:

CAST NUMBER:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC
------	-----

Begin:

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

[illegible]

Comments:

ROSETTE LOG

MISSION ID:

9909

UTC DATE y/m/d:

23/4/99

STATION NAME:

9

CAST NUMBER:

82

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O ₂ dosage ml	O ₂ ml/L
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	220	1106		60+10	163	✓											0.527	3.128
2	221	1110		150	150	✓											0.654	3.967
3	222	1113		125	125	✓											0.742	4.399
4	223	1119		100	100	✓											0.808	4.776
5	224	1126		75	75	✓											0.788	4.774
6	225	1128		50	50	✓											0.852	5.212
7	226	1130		40	40	✓											0.920	5.522
8	227	1132		30	30	✓											0.969	5.948
9	228	1133		20	20	✓											1.113	6.740
10	229	1134		10	10	✓											1.372	8.285
11	230	1135		5	5	✓											1.654	10.213
12	231	1136		0	1	✓											1.629	9.871
13																		
14																		
15																		
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22																		
23																		
24																		

Comments:

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 172

Cast # down: 82

Cast # up: 82

Time	LOC	UTC
Begin:		0652
Bottom:		0657
End:		0713

START POSITION (GPS)		
LAT:	49°	35.48
LONG:	124°	38.32

BOTTOM POSITION (GPS)		
LAT:		35.47
LONG:		38.35

END POSITION (GPS)		
LAT:	49	35.42
LONG:	124	38.42

102

ROSETTE LOG

MISSION ID: 9909
STATION NAME: 6

UTC DATE y/m/d: 99/04/22
CAST NUMBER: 85

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										O2 dosage ml	O2 ml/L
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	232	84		190	190	✓	✓	✓	✓								0.626	3.359
2	233	97		175	175	✓	✓										0.652	3.505
3	234	255		150	150	✓	✓										0.786	4.328
4	235	333		125	125	✓											0.875	4.804
5	236	337		100	100	✓											0.966	5.282
6	237	364		75	75	✓											0.884	4.844
7	238	392		50	50	✓											0.957	5.150
8	239	412		40	40	✓											0.968	5.328
9	240	425		30	30	✓											1.054	5.740
10	241	443		20	20	✓											1.224	6.574
11	242	463		10	10	✓											1.433	7.796
12	243	467		5	5	✓											1.592	8.619
13	244	486		0	1	✓											1.732	9.306
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: S. Romaine
CHECKED BY:

Bottom Depth: 196

Cast # down: 85

Cast # up: 85

Time	LOC	UTC
Begin:		0959
Bottom:		1003
End:		1021

START POSITION (GPS)
LAT: 49 30 60
LONG: 124 27.79

BOTTOM POSITION (GPS)
LAT: 49 30.55
LONG: 124 27.77

END POSITION (GPS)
LAT: 49 30.38
LONG: 124 27.66

Comments:

ROSETTE LOG

MISSION ID: 9909
STATION NAME: 3UTC DATE y/m/d: 99/4/23
CAST NUMBER: 90SHIP: VECTORNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken										O ₂	O ₂
Trip	Confirmed	SAL		NUT		ALK		TCO				dosage	
pressure	Salinity		OXY		CHL		C13					ml	ml/L
1	245	509		61-5	326	✓			↑	↑		0.470	2.442
2	246	534		300		✓		✓				0.441	2.490
3	247	535		250		✓		✓				0.518	2.720
4	248	572		200		✓						0.594	3.134
5	249	578		175		✓						0.671	3.569
6	250	641		150		✓						0.747	3.971
7	251	588		125		✓						0.907	4.834
8	252	597		100		✓						0.951	5.189
9	253	632		75		✓						0.979	5.251
10	254	638		50		✓						0.958	5.191
11	255	650		40		✓						0.973	5.261
12	256	657		30		✓						1.171	6.224
13	257	695		20		✓						1.229	6.825
14	258	697		10		✓						0.805	4.433
15	259	707		5		✓						1.578	9.093
16	260	708		0		✓						1.719	9.618
17													
18													
19													
20													
21													
22													
23													
24													

ENTERED BY: DM
CHECKED BY:Bottom Depth: 330Cast # down: 90

Cast # up:

Time	LOC	UTC
Begin:		13:30
Bottom:		13:37
End:		13:58

START POSITION (GPS)		
LAT:	49	20.32
LONG:	124	12.10

BOTTOM POSITION (GPS)		
LAT:	49	20.29
LONG:	124	12.03

END POSITION (GPS)		
LAT:	49	20.
LONG:	124	12.

Comments:

NOTE: O₂ # 258 seems too low

ROSETTE LOG

MISSION ID:

9909

UTC DATE y/m/d:

99/4/22

STATION NAME:

2

CAST NUMBER:

64

SHIP:

VECTOR

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

ROSETTE OPERATION

Trip
pressureConfirmed
Salinity

Samples taken

SAL

NUT

ALK

TCO

OXY

CHL

C13

1	163	1196		bot-5	269	✓			↑	↑								0.477	2.519
2	164	1197		250		✓		✓										0.520	2.749
3	165	1198		200		✓		✓										0.626	3.373
4	166	1201		175		✓												0.740	3.973
5	167	1202		150		✓												0.834	4.459
6	168	1203		125		✓												0.938	5.110
7	169	1204		100		✓												0.995	5.389
8	170	1206		75		✓												0.989	5.371
9	171	1209		50		✓												1.001	5.372
10	172	1210		40		✓												1.047	5.650
11	173	1211		30		✓												1.120	6.050
12	174	1212		20		✓												1.235	6.698
13	175	1215		10		✓												1.628	8.822
14	176	1216		5		✓												1.571	8.657
15	177	1218		0		✓			↓	↓								1.606	8.612
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:

D. Masson

CHECKED BY:

Bottom Depth:

280

Cast # down:

64

Cast # up:

Time

LOC

UTC

Begin:

12:42

Bottom:

12:48

End:

13:07

START POSITION (GPS)

LAT: 49 24.12

LONG: 124 9.18

BOTTOM POSITION (GPS)

LAT: 49 24.05

LONG: 124 9.05

END POSITION (GPS)

LAT: 49 23.89

LONG: 124 8.64

Comments: