

ROSETTE LOG

MISSION ID: 2004-26 STATION: SI CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 14/9/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13	TOT					
							OXY			ALK		CHL	HOL	NH4	COOH	SF		
1	1	1224	0.559	127	✓	✓	✓	✓					✓	✓	✓	✓	✓	
2	2	1216	6.082	2	✓	✓	✓	✓							✓			
3																		
4																		
5																		
6																		
7																		
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SHIP: Vector
ENTERED BY: JH
CHECKED BY: JH

Bottom Depth: 127

Cast # down: 1

Cast # up: 1

Time LOC UTC
Begin: 428
Bottom: 433
End: 438

START POSITION (GPS)
LAT: 48 39 108
LONG: 123 29 659

BOTTOM POSITION (GPS)
LAT: 48 39 077
LONG: 123 29 665

END POSITION (GPS)
LAT: 48 39 042
LONG: 123 29 708

Comments:

ROSETTE LOG

MISSION ID: 2004-26 STATION: 23 CAST NUMBER: 4 UTC DATE (dd/mm/yyyy): 14/11/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	NA	TCO		C13	TOTAL		KPC			
							OXY				ALK		CHL	CDM	SF	dryto		
1	14	727	4.111	Bx 10	✓ 235	✓		✓✓										
2	15	1188	4.086	200	✓ 200	✓		✓✓										
* 3	16	1216	5.030	175	✓ 175	✓		✓✓										* Murky Sample N.Good
4	17	1223	4.076	150	✓ 150			✓✓	✓✓					✓				
5	18	1224	4.120	125	✓ 125			✓✓	✓✓									
6	19	1225	4.114	100	✓ 100			✓✓	✓✓									
7	20	1320	4.115	75	✓ 75			✓✓	✓✓									
8	21	1321	4.105	50	✓ 50			✓✓	✓✓									
9	22	1335	4.147	40	✓ 40			✓✓	✓✓				✓✓					
10	23	1337	4.111	30	✓ 30			✓✓	✓✓				✓✓					
11	24	1349	4.117	20	✓ 20			✓✓	✓✓				✓✓	✓	✓✓			
12	25	1360	4.127	10	✓ 10			✓✓	✓✓				✓✓	✓	✓✓			
13	26	1365	4.104	5	✓ 5	✓		✓✓	✓✓				✓✓	✓	✓✓	✓✓	✓✓	
14	27	1366	4.139	0	1			✓✓	✓✓				✓✓	✓				
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 240

Cast # down: 604

Cast # up:

Time	LOC	UTC
Begin:		1725
Bottom:		1944
End:		1954

START POSITION (GPS)

LAT: 49.57.75

LONG: 125 22 00

BOTTOM POSITION (GPS)

LAT: 50 14 99

LONG: 125 22 97

END POSITION (GPS)

LAT: 50 14 99

LONG: 125 22 97

ROSETTE LOG

MISSION ID: 2004-26 STATION: 16 CAST NUMBER: 3 UTC DATE (dd/mm/yyyy): 14/09/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
							OXY			ALK		CHL	URE	SEL	CIDH	HLG		
1	3	1322	3.203	BOT-5	✓ 148	✓							✓					
* 2	4	1323	2.609*	125	✓	✓												TITRATION FAILED BEFORE C.P.
3	5	1329	3.109	100	✓	✓							✓✓					
4	6	1332	3.097	75	✓								✓✓					
5	7	1333	3.245	50	✓								✓✓					
6	8	1338	3.898	40	✓								✓✓	✓✓				
7	9	1341	4.304	30	✓								✓✓	✓✓				
* 8	10	1342	4.465	20	✓								✓✓	✓✓	✓	✓✓		TITR. FAILED BY C.P. Error
9	11	1345	5.465	10	✓								✓✓	✓✓	✓	✓✓		
10	12	1346	5.977	5	✓								✓✓	✓✓	✓✓	✓	✓✓	
11	13	1347	6.112	SWF	✓ 1.5	✓							✓✓	✓✓	✓			
12																		
13																		
14																		
15																		
16																		
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20																		
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22																		
23																		
24																		

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 152

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1714
Bottom:		1719
End:		1729

START POSITION (GPS)

LAT: 49 57.74

LONG: 125 08.91

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 0004-26 STATION: 14 CAST NUMBER: 7 UTC DATE (dd/mm/yyyy): 14/09/04

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13	TOT					
							OXY			ALK		CHL	HPLL	NH4	CDOM	SR		
1	28	1188	2.955	bot	✓	308	X											#28 in wrong position
2	29	1188	3.003	300	✓		X											
3	30	1216	3.016	250	✓		X											
4	31	1223	3.023	200	✓													
5	32	1224	2.983	175	✓													
6	33	1225	2.977	150	✓										vv	✓		
7	34	1461	2.998	125	✓													
8	35	1321	2.941	100	✓													
9	36	1335	3.030	75	✓										vv	✓		
10	37	1337	3.485	50	✓										vv	✓		
11	38	1349	3.735	40	✓								vv		vv			
12	39	1360	3.981	30	✓								vv		vv			
13	40	1471	4.247	20	✓		X						vv	vv	vv	✓		
14	41	1366	4.645	10	✓								vv	vv	vv	✓		
15	42	1368	5.897	5	✓								vv	vv	vv	✓	vv	
16	43	1373	5.909	surf	✓								vv		vv	✓		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 7
Cast # up:

Time	LOC	UTC
Begin:		2333
Bottom:		2341
End:		2358

START POSITION (GPS)
LAT: 49 53 03
LONG: 124 59 60

BOTTOM POSITION (GPS)
LAT: 49 53 11
LONG: 124 59 59

END POSITION (GPS)
LAT: 49 53 24
LONG: 124 59 56

Comments: 1st titration called # 28 - was # 29
2nd is # 28 called # 28

ROSETTE LOG

MISSION ID: 2004-26 STATION: 12 CAST NUMBER: 12 UTC DATE (dd/mm/yyyy): 15/09/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13	TDI					
							OXY			ALK		CHL	HPL	NH4	CO2	SP		
1	44	1322	2.011	BOTS	✓	✓												
2	45	1323	2.856	300	✓	✓												
3	46	1329	2.909	250	✓	✓												
4	47	1332	2.998	200	✓													
5	48	1333	3.065	175	✓													
6	49	1338	3.068	150	✓									✓	✓	✓		
7	50	1341	2.916	125	✓													
8	51	1342	3.019	100	✓													
9	52	1345	3.084	75	✓									✓	✓			
10	53	1346	3.196	50	✓									✓	✓			
11	* 54	1347	3.736	40	✓							✓		✓				* BUBBLE ON LENS
12	55	1348	3.473	30	✓							✓		✓				
13	56	1356	4.599	20	✓	✓						✓		✓	✓			
14	57	1358	5.046	10	✓							✓		✓	✓			
15	58	1361	5.959	5	✓							✓		✓	✓	✓		
16	59	1362	5.984	Surf	✓			✓	✓			✓		✓	✓			
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 357

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0551
Bottom:		0559
End:		0611

START POSITION (GPS)
LAT: 49 43.70
LONG: 124 40.715

BOTTOM POSITION (GPS)
LAT: 49 43.75
LONG: 124 40.811

END POSITION (GPS)
LAT: 49 43.81
LONG: 124 40.928

ROSETTE LOG

MISSION ID: 2004-26 STATION: 9 CAST NUMBER: 015 UTC DATE (dd/mm/yyyy): 15/09/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13	T07					
							OXY			ALK		CHL		NH4	CDOM	SF		
1	60	1367	2.518	807-10	✓ 165	✓		✓										
2	61	709	2.900	150	✓ 150	✓		✓						✓	✓			
3	62	707	3.033	125	✓ 125			✓										
4	63	715	2.797	100	✓ 100			✓										
5	64	1105	3.022	75	✓ 75			✓						✓	✓			
6	65	1110	3.283	50	✓ 50			✓						✓				
7	66	1126	3.415	40	✓ 40			✓				✓		✓				
8	67	1128	3.581	30	✓ 30			✓				✓		✓				
9	68	1134	3.572	20	✓ 20	✓		✓				✓		✓	✓			
10	69	1465	5.468	10	✓ 10			✓				✓		✓	✓			
11	70	1466	5.658	5	✓ 5			✓				✓		✓	✓	✓		
*12	71	1467	5.700	0	✓ 1			✓				✓		✓	✓			BUBBLE ON LENS
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VEC 70 h
ENTERED BY:
CHECKED BY:

Bottom Depth: 298

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0902
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 35 52
LONG: 124 30 33

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2004-26 STATION: 39 CAST NUMBER: 20 UTC DATE (dd/mm/yyyy): 15/19/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3	TOT					
							OXY			NH4	ALK		CHL	NPIC	CON	PH	SEI	
1	72	1188	3.103	Bot-5	✓ 375	✓												
2	73	727	3.102	350	✓ 350	✓												
3	74	1216	3.055	300	✓ 300	✓												
4	75	1223	3.185	250	✓ 250													
5	76	1224	3.211	200	✓ 200													
6	77	1225	3.252	175	✓ 175					✓✓					✓			
7	78	1461	3.620	150	✓ 150													
8	79	1321	3.382	125	✓ 125													
9	80	1335	3.624	100	✓ 100					✓								
10	81	1337	3.316	75	✓ 75					✓								
11	82	1349	3.392	50	✓ 50					✓✓								
12	83	1360	3.425	40	✓ 40					✓✓			✓✓					
13	* 84	1471	3.491	30	✓ 30					✓✓			✓✓					BUBBLE ON LONG (0 W)
14	85	1366	3.985	20	✓ 20					✓✓			✓✓	✓✓	✓			
15	86	1368	5.591	10	✓ 10					✓✓			✓✓	✓✓	✓			
16	87	1373	5.547	5	✓ 5		✓	✓		✓✓			✓✓	✓✓	✓	✓✓	✓✓	* DEPTH CALLED 15m, FILE
17	88	1374	6.113	sup	✓ 1	✓		✓	✓	✓✓			✓✓		✓			
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 285

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1906
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 09 81
LONG: 123 32.93

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2004-26 STATION: 27 CAST NUMBER: 24 UTC DATE (dd/mm/yyyy): 15/09/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13	TOT					
						OXY		NH4		ALK		CHL		CDOM	HPIC	SECHL		
1	89	1462	3.222	BOT-16	✓	341	✓		vv									
2	90	1463	2.975	200	✓		✓		vv									
3	91	1464	2.937	250	✓				vv									
4	92	1468	3.023	200	✓				vv									
5	93	1470	2.982	175	✓				vv									
6	94	1472	2.986	150	✓				vv	vv					✓			
7	95	1473	3.261	125	✓				vv									
8	96	1474	3.123	100	✓				vv									
9	97	1475	3.224	75	✓				vv	vv								
10	98	1476	3.344	50	✓				vv	vv			vv					
11	99	1477	3.375	40	✓				vv	vv			vv					
12	100	1478	3.456	30	✓				vv	vv			vv		✓	vv		
13	101	1479	3.699	20	✓		✓		vv	vv			vv		✓	vv		
14	102	1480	5.836	10	✓				vv	vv			vv		✓	vv	vv	
15	103	1492	6.065	5	✓				vv	vv			vv		✓	vv	vv	
16	104	1495	6.586	0	✓		✓		vv	vv			vv		✓			added Stiger before end
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Note - Oxy - bubbles in line before # 97 10

SHIP: VECTOR
ENTERED BY: J
CHECKED BY:

Bottom Depth: 341

Cast # down: 24
Cast # up: 24

Time	LOC	UTC
Begin:	22 51	
Bottom:	22 59	
End:	23 18	

START POSITION (GPS)
LAT: 49 19 135
LONG: 123 47 98

BOTTOM POSITION (GPS)
LAT: 49 19 147
LONG: 123 48 03 51

END POSITION (GPS)
LAT: 49 19 229
LONG: 123 48 191

ROSETTE LOG

MISSION ID: 2004-26 STATION: 2 CAST NUMBER: 29 UTC DATE (dd/mm/yyyy): 16/09/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3	TOT					
							OXY			ALK		CHL	COND	S.F.H2				
1	105	1322	2.837	805	✓	270	✓											
2	106	1323	2.785	250	✓	250	✓											
3	107	1329	2.845	200	✓	200												
4	108	1332	2.974	175	✓	175												
5	109	1333	2.987	150	✓	150							✓					
6	110	1338	3.074	125	✓	125												
7	111	1341	3.123	100	✓	100												
8	112	1342	3.154	75	✓	75												
9	113	1345	3.361	50	✓	50												
10	114	1346	3.522	40	✓	40							✓					
11	115	1347	3.736	30	✓	30							✓					
12	116	1126	4.262	30	✓	20							✓					bubble in probe
13	117	1356	5.688	10	✓	10							✓					
14	118	1358	5.859	5	✓	5							✓	✓	✓			
15	119	1361	6.107	50		1	✓	✓	✓				✓	✓				
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 278

Cast # down: 29
Cast # up:

Time	LOC	UTC
Begin:		08:42
Bottom:		08:49
End:		09:04

START POSITION (GPS)
LAT: 49 24 14
LONG: 124 09 24

BOTTOM POSITION (GPS)
LAT: 49 24 12
LONG: 124 09 42

END POSITION (GPS)
LAT: 49 24 22
LONG: 124 10 01

ROSETTE LOG

MISSION ID: 2004-26 STATION: 3 CAST NUMBER: 30 UTC DATE (dd/mm/yyyy): 16/09/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3	ToT					
						OXY				ALK		CHL	CDM	SFIL				
1	120	1462	2.898	bot	✓ 317	✓												
2	121	1463	2.823	300	✓ 300	✓												
3	122	1464	2.686	250	✓ 250													
4	123	1468	2.820	200	✓ 200													
5	124	1470	2.886	175	✓ 175													
6	125	1472	3.071	150	✓ 150								✓					
7	126	1473	3.084	125	✓ 125													
8	127	1474	2.995	100	✓ 100													
9	128	1475	3.082	75	✓ 75													
10	129	1476	3.375	50	✓ 50													
11	130	1477	3.530	40	✓ 40								✓					
12	131	1478	3.794	30	✓ 30								✓					
13	132	1479	5.028	20	✓ 20	✓							✓	✓				
14	133	1480	5.450	10	✓ 10								✓	✓				
15	134	1192	5.663	5	✓ 5								✓	✓	✓			
16	135	1295	6.095	surf	✓ 0								✓	✓				
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 322

Cast # down: 30
Cast # up:

Time	LOC	UTC
Begin:		10:11
Bottom:		10:19
End:		10:36

START POSITION (GPS)
LAT: 49 26.63
LONG: 124 20 32

BOTTOM POSITION (GPS)
LAT: 49 26.59
LONG: 124 20 26

END POSITION (GPS)
LAT: 49 26.54
LONG: 124 20 17

ROSETTE LOG

MISSION ID: 2004-26 STATION: 06 CAST NUMBER: 31 UTC DATE (dd/mm/yyyy): 15/09/04

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3	TST					
						OXY				ALK			CHL	CO2	SEIL			
1	136	1188	2.958	bot	✓	183	✓											
2	137	727	2.890	175	✓		✓											
3	138	1216	3.072	150	✓									✓				
4	139	1223	3.068	125	✓													check sample # in file
5	140	1224	3.105	100	✓													
6	141	1225	3.017	75	✓													
7	142	1461	3.559	50	✓													
8	143	1321	3.541	40	✓								✓					
9	144	1335	3.791	30	✓								✓					
10	145	1337	4.791	20	✓		✓						✓	✓				
11	146	1349	5.501	10	✓								✓	✓	✓			
12	147	1360	5.731	5	✓								✓	✓	✓	✓		
13	148	1471	5.965	Surf	✓			✓	✓				✓	✓	✓			
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
ENTERED BY: *PL*
CHECKED BY: *PL*

Bottom Depth: 183

Cast # down: 31
Cast # up: 30

Time LOC UTC
Begin: 11 25
Bottom: 11 30
End: 11 44

START POSITION (GPS)
LAT: 49 30 634
LONG: 124 27 840

BOTTOM POSITION (GPS)
LAT: 49 30 649
LONG: 124 27 800

END POSITION (GPS)
LAT: 49 30 540
LONG: 124 27 900

Comments:

ROSETTE LOG

MISSION ID: 2004-26 STATION: 42 CAST NUMBER: 36 UTC DATE (dd/mm/yyyy): 16/9/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3	T					
							OXY			ALK		CHL	C-P	HP	SE			
1	149	1463	3.073	300	✓ 311	✓												
2	150	1464	3.090	350	✓ 300	✓												
3	151	1462	3.024	300	✓ 300													
4	152	1472	2.931	250	✓ 250													
5	153	1470	3.060	200	✓ 200													
6	154	1468	3.090	175	✓ 175													
7	155	1475	3.199	150	✓ 150								✓					
8	156	1474	3.312	125	✓ 125													
9	157	1473	3.310	100	✓ 100													
10	158	1478	3.191	75	✓ 75													
11	159	1477	3.339	50	✓ 50								✓✓					
12	160	1476	3.435	40	✓ 40								✓✓					
13	161	1479	3.411	30	✓ 30								✓✓					
14	162	1480	3.441	20	✓ 20								✓✓	✓	✓✓			
15	163	1295	3.935	10	✓ 10								✓✓	✓	✓✓			
16	164	1192	5.104	5	✓ 5								✓✓	✓	✓✓	✓✓		
17	165	1304	6.043	500	✓ 1	✓		✓					✓✓	✓				
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 36
Cast # up:

Time	LOC	UTC
Begin:		1955
Bottom:		2003
End:		2022

START POSITION (GPS)
LAT: 49 01 48
LONG: 123 26 03

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2004-26 STATION: 46 CAST NUMBER: 39 UTC DATE (dd/mm/yyyy): 16/09/04

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13	T					
							OXY		NH4		ALK		CHL	CDM	HPIC	St. cell	Phyto	
1	166	1189	3.455	Bot-P	✓	165	✓		✓✓									
2	167	727	3.450	150	✓		✓		✓✓	✓				✓				
3	168	1216	3.516	125	✓				✓✓									
4	169	1223	3.493	100	✓				✓✓									
5	170	1224	3.510	75	✓				✓✓	✓✓								
6	171	1225	3.369	50	✓				✓✓	✓✓								
7	172	1461	3.431	40	✓				✓✓	✓✓			✓✓					
8	173	1321	3.465	30	✓				✓✓	✓✓			✓✓					
9	174	1335	3.737	20	✓				✓✓	✓✓			✓✓	✓	✓✓			
10	175	1337	3.930	10	✓				✓✓	✓✓			✓✓	✓	✓✓			
11	176	1349	4.411	5	✓		✓		✓✓	✓✓			✓✓	✓	✓✓	✓✓	✓✓	
12	177	1360	4.926	Surf	✓			✓	✓✓	✓✓			✓✓	✓				
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 175

Cast # down: 39
Cast # up:

Time	LOC	UTC
Begin:		2306
Bottom:		2311
End:		2322

START POSITION (GPS)
LAT: 48 51 53
LONG: 123 10 94

BOTTOM POSITION (GPS)
LAT: 48 51 534
LONG: 123 10 986

END POSITION (GPS)
LAT: 48 51 755
LONG: 123 11 106

ROSETTE LOG

MISSION ID: 2004-26 STATION: 56 CAST NUMBER: 46 UTC DATE (dd/mm/yyyy): 17/9/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13	THY					
						OXY				ALK		CHL	PH	CTO	TE			
1	176	1471	3.199	665	✓ 185	✓												
2	179	1366	3.221	200	✓ 185	✓												
3	180	1368	3.218	175	✓													
4	181	1373	3.313	150	✓									✓				
5	182	1374	3.366	125	✓													
6	183	1376	3.380	100	✓													
7	184	1379	3.382	75	✓													
8	185	1380	3.474	50	✓													
9	186	1381	3.560	40	✓							✓✓						
10	187	1383	3.591	30	✓							✓✓						
11	188	1385	3.678	20	✓							✓✓		✓				
12	189	1386	3.720	10	✓							✓✓		✓				
13	190	1394	3.764	5	✓							✓✓		✓	✓✓			
14	191	1402	3.908	5m	✓							✓✓		✓				
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 210

Cast # down: 46
Cast # up:

Time	LOC	UTC
Begin:		0610
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 46 34
LONG: 123 01 17

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2004-26 STATION: 59 CAST NUMBER: 49 UTC DATE (dd/mm/yyyy): 17/09/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3	TOT					
							OXY			ALK		CHL	DOH	SE				
1	192	1463	3.079	807	✓	230	✓											
2	193	1464	3.023	800	✓	200	✓											
3	194	1462	3.024	176	✓	175												
4	195	1472	3.041	150	✓	150							✓					
5	196	1470	3.144	125	✓	125												
6	197	1468	3.427	100	✓	100												
7	198	1475	3.711	75	✓	75												
8	199	1474	3.733	50	✓	50												
9	200	1473	3.938	40	✓	40							✓					
10	201	1478	3.985	30	✓	30							✓					
11	202	1477	4.002	20	✓	20							✓	✓				
12	203	1476	4.300	10	✓	10							✓	✓				
13	204	1479	4.317	5	✓	5							✓	✓	✓			
14	205	1480	4.292	5m/s	✓	0							✓	✓				
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 238

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		09:09
Bottom:		09:15
End:		09:30

START POSITION (GPS)
LAT: 48 37.85
LONG: 123 14.39

BOTTOM POSITION (GPS)
LAT: 48 37.88
LONG: 123 14.23

END POSITION (GPS)
LAT: 48 37.96
LONG: 123 13.76

Comments:

ROSETTE LOG

MISSION ID: 2004-26 STATION: 62 CAST NUMBER: 52 UTC DATE (dd/mm/yyyy): 17/09/04

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3	TOT					
							OXY			ALK		CHL	CO ₂	SF	NH ₄			
1	206	1302	2.695	807-10	✓ 144	✓												
2	207	1301	2.850	125	✓	✓												
3	208	1307	3.389	100	✓													
4	209	1305	3.529	75	✓											✓	✓	
5	210	1306	3.712	50	✓											✓	✓	
6	211	1310	3.728	40	✓							✓	✓			✓	✓	
7	212	1309	3.750	30	✓							✓	✓			✓	✓	
8	213	1318	3.809	20	✓							✓	✓	✓		✓	✓	
9	214	1314	4.128	10	✓							✓	✓	✓		✓	✓	
10	215	1315	4.133	5	✓							✓	✓	✓	✓	✓	✓	
11	216	1317	4.238	3m	✓			✓	✓			✓	✓	✓		✓	✓	
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 144

Cast # down: 52
Cast # up: 152

Time	LOC	UTC
Begin:	12 30	
Bottom:	12 34	
End:	12 45	

START POSITION (GPS)
LAT: 48 22 574
LONG: 123 2 590

BOTTOM POSITION (GPS)
LAT: 48 22 926
LONG: 123 2 526

END POSITION (GPS)
LAT: 48 23 181
LONG: 123 2 549

Comments:

ROSETTE LOG

MISSION ID: 2004-26 STATION: 65 CAST NUMBER: 55 UTC DATE (dd/mm/yyyy): 17/09/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13	TO					
							OXY					ALK		CHL	CO ₂	SP	HP4	PH40
1	217	1376	2.662	205	✓		✓								✓			
2	216	1379	2.704	100	✓		✓											
3	219	1380	3.084	75	✓													
4	220	1381	3.642	50	✓													
5	221	1383	3.645	40	✓									✓✓				
6	222	1385	3.696	30	✓									✓✓				
7	223	1386	3.905	20	✓									✓✓	✓		✓✓	
8	224	1394	4.041	10	✓									✓✓	✓		✓✓	
9	225	1402	4.104	5	✓									✓✓	✓	✓✓	✓✓	✓✓
10	226	1481	4.239	surf	✓									✓✓	✓			
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: MA, DM
CHECKED BY:

Bottom Depth: 129

Cast # down: 55
Cast # up:

Time	LOC	UTC
Begin:		15 27
Bottom:		15 30
End:		15 35

START POSITION (GPS)
LAT: 48 15 04
LONG: 123 09 98

BOTTOM POSITION (GPS)
LAT: 48 15 02
LONG: 123 10 03

END POSITION (GPS)
LAT: 48 15 02
LONG: 123 10 03

ROSETTE LOG

MISSION ID: 2004-26 STATION: ADCP CAST NUMBER: 58 UTC DATE (dd/mm/yyyy): 17/9/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CHL				
1	227	1180	2.433	207	✓ 110	✓												1 ST Bot on File "CAST 55"
2	228	727	2.430	100	✓	✓											✓	
3	229	1216	2.779	75	✓													
4	230	1223	3.303	50	✓													
5	231	1224	3.527	40	✓													
6	232	1225	3.767	30	✓													
7	233	1461	3.889	20	✓													
8	234	1321	4.058	10	✓													
9	235	1335	4.231	5	✓													
10	236	1337	4.352	5m	✓													
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 117

Cast # down: 58

Cast # up:

Time	LOC	UTC
Begin:		1806
Bottom:		1808
End:		1814

START POSITION (GPS)

LAT: 49 13 93

LONG: 123 19 4

BOTTOM POSITION (GPS)

LAT: 49 13 91

LONG: 123 18 13

END POSITION (GPS)

LAT: 48 13 06

LONG: 123 18 13

Comments:

ROSETTE LOG

MISSION ID: 2004-26 STATION: C/P CAST NUMBER: 62 UTC DATE (dd/mm/yyyy): 17/09/04

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		ADH		CHL	CDM	
1	237	1300	3.690	bot	✓ 53									✓	✓	✓		
2	238	1301	3.771	40	✓ 40									✓	✓			
3	239	1302	3.878	30	✓ 30									✓	✓			
4	240	1304	3.896	20	✓ 20									✓	✓	✓		
5	241	1305	3.880	10	✓ 10									✓	✓	✓		
6	242	1306	3.980	5	✓									✓	✓	✓		
7	243	1307	3.904	surf	✓									✓	✓	✓		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 62
Cast # up:

Time	LOC	UTC
Begin:		20:26
Bottom:		20:28
End:		20:33

START POSITION (GPS)
LAT: 48 25 75
LONG: 123 20 71

BOTTOM POSITION (GPS)
LAT: 48 25 76
LONG: 123 20 71

END POSITION (GPS)
LAT: 48 25 76
LONG: 123 20 67

ROSETTE LOG

MISSION ID: 2004-26 STATION: 102 CAST NUMBER: 65 UTC DATE (dd/mm/yyyy): 18/9/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL	CO ₂	SF				
1	244	727	1.763	807.5	✓ 256	✓												
2	245	1188	2.668	200	✓	✓												
3	246	1216	1.569	175	✓													
4	247	1223	1.774	150	✓								✓					
5	248	1224	2.240	125	✓													
6	249	1225	2.597	100	✓													→ new sulfuric acid
7	250	146.1	4.030	75	✓													
8	251	1321	3.523	50	✓													
9	252	1335	3.345	40	✓								✓					
10	253	1337	3.996	36	✓								✓					
11	254	1349	4.167	20	✓								✓					
12	255	1360	5.343	10	✓								✓					
13	256	1471	5.490	5	✓								✓	✓				
14	257	1366	5.400	200	✓	✓							✓					
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 256

Cast # down: 65
Cast # up: 65

Time	LOC	UTC
Begin:	6:29	
Bottom:	6:36	
End:	6:46	

START POSITION (GPS)
LAT: 48 29 50.4
LONG: 124 40 57.9

BOTTOM POSITION (GPS)
LAT: 48 29 51
LONG: 124 44 8

END POSITION (GPS)
LAT: 48 29 53
LONG: 124 45 12

Comments:

ROSETTE LOG

MISSION ID: 2004-26 STATION: 175 CAST NUMBER: 68 UTC DATE (dd/mm/yyyy): 18/9/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CHL	CDOM	W _{chl}	SE	
1	258	1373	1.769	bot	✓ 216	✓												
2	259	1374	1.653	200	✓ 260	✓												
3	260	1376	1.672	175	✓ 175													
4	261	1379	1.685	150	✓ 150										✓	✓		
5	262	1380	2.011	125	✓ 125										✓	✓		
6	263	1381	2.718	100	✓ 100										✓	✓		
7	264	1383	3.023	75	✓ 75										✓	✓		
8	265	1385	3.508	50	✓ 50										✓	✓		multi NH4
9	266	1386	3.881	40	✓ 40									✓	✓	✓		
10	267	1394	3.905	30	✓ 30									✓	✓	✓		
11	268	1402	3.979	20	✓ 20									✓	✓	✓		
12	269	1481	4.685	10	✓ 10									✓	✓	✓		
13	270	1192	5.155	5	✓ 5									✓	✓	✓	✓	
14	271	1295	5.193	Surf										✓	✓	✓		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 226

Cast # down: 68
Cast # up: 168

Time	LOC	UTC
Begin:		
Bottom:	945	
End:	957	

START POSITION (GPS)
LAT: 48 28 77
LONG: 124 32 82

BOTTOM POSITION (GPS)
LAT: 48 28 145
LONG: 124 32 860

END POSITION (GPS)
LAT: 48 28 08
LONG: 124 32 96

Comments: no ME/BF NH4

ROSETTE LOG

MISSION ID: 2004-26 STATION: 72 CAST NUMBER: 71 UTC DATE (dd/mm/yyyy): 18/9/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13	10T					
							OXY			ALK		CHL	PW	CO2	CF			
1	272	1300	1.789	130	✓	✓												
2	273	1301	1.691	125	✓	✓												
3	274	1302	1.691	150	✓								✓	✓				
4	275	1304	1.724	135	✓													
5	276	1305	1.973	100	✓													
6	277	1306	2.483	75	✓								✓	✓				
7	278	1307	3.359	50	✓								✓	✓				
8	279	1309	3.628	40	✓								✓	✓				
9	280	1310	3.782	30	✓								✓	✓				
10	281	1311	3.720	20	✓								✓	✓	✓			
11	282	1314	3.805	10	✓								✓	✓	✓			
12	283	1315	4.104	5	✓								✓	✓	✓	✓		
13	284	1317	4.446	2.10	✓	✓							✓	✓	✓			
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 187

Cast # down: 71
Cast # up:

Time	LOC	UTC
Begin:		1413
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 18 61
LONG: 124 03 97

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2004-26 STATION: 169 CAST NUMBER: 74 UTC DATE (dd/mm/yyyy): 18/19/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY		HRG		ALK		CHL		CDM	SP	MLP	
1	285	1318	1.897	Bot	✓	170												
2	286	1462	1.896	150	✓											✓		
3	287	1463	1.935	125	✓													
4	288	1464	2.362	100	✓													
5	289	1468	2.833	75	✓													
6	290	1470	3.060	50	✓													
7	291	1472	3.224	40	✓								✓					
8	293	1473	3.432	30	✓								✓					
9	293	1474	3.544	20	✓				✓				✓		✓			
10	294	1475	3.699	10	✓				✓				✓		✓			
11	295	1476	3.792	5	✓				✓				✓		✓	✓		✓
12	296	1477	3.978	Surf	✓		✓	✓	✓				✓		✓			✓
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 177

Cast # down: 74
Cast # up:

Time	LOC	UTC
Begin:		17 40
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 15 61
LONG: 123 43 28

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: NH4 - running out of reagent, so only 1 sample depth. Phyt - 1 sample at 5m: 20ug/l
- # 291 - only 5 ml of NH4 reagent 1 sample at 10m: 10ug/l

ROSETTE LOG

MISSION ID: 2004-26 STATION: 23 CAST NUMBER: 4 UTC DATE (dd/mm/yyyy): 14/11/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	NA	TCO		CI3	TOTAL		HRG			
						OXY				ALK		CHL	CDM		S-F	phyto		
1	14	727	4.111	Bot 10	✓ 235	✓		✓										
2	15	1188	4.086	200	✓ 200	✓		✓										
* 3	16	1216	5.630	175	✓ 175	✓		✓										* MURKY SAMPLE N.Good
4	17	1223	4.076	150	✓ 150			✓					✓					
5	18	1224	4.120	125	✓ 125			✓										
6	19	1225	4.114	100	✓ 100			✓										
7	20	1320	4.115	75	✓ 75			✓	✓									
8	21	1321	4.105	50	✓ 50			✓	✓									
9	22	1335	4.147	40	✓ 40			✓	✓				✓					
10	23	1337	4.111	30	✓ 30			✓	✓				✓					
11	24	1349	4.117	20	✓ 20			✓	✓				✓	✓	✓			
12	25	1360	4.127	10	✓ 10			✓	✓				✓	✓	✓	✓		
13	26	1365	4.104	5	✓ 5	✓		✓	✓				✓	✓	✓	✓	✓	
14	27	1366	4.139	0	1			✓	✓				✓					
15																		
16																		
17																		
18																		
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21																		
22																		
23																		
24																		

Comments:

bgm 2001 rosette.xls

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 240

Cast # down: 604
Cast # up:

Time	LOC	UTC
Begin:		1729
Bottom:		1944
End:		1954

START POSITION (GPS)
LAT: 49-57.75
LONG: 125 22 00

BOTTOM POSITION (GPS)
LAT: 50 14 99
LONG: 125 22 97

END POSITION (GPS)
LAT: 50 14 99
LONG: 125 22 95

ROSETTE LOG

MISSION ID: 2004-26 STATION: 12 CAST NUMBER: 12 UTC DATE (dd/mm/yyyy): 15/09/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken											
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI2	PH				
							OXY				ALK		CHL	HPL	NH4	CO2	SF
1	44	1322	2.011	300	✓	352	✓										
2	45	1323	2.856	250	✓		✓										
3	46	1324	2.968	200	✓		✓										
4	47	1332	2.998	175	✓												
5	48	1333	3.065	150	✓												
6	49	1338	3.068	125	✓										✓	✓	✓
7	50	1341	2.916	100	✓												
8	51	1342	3.019	75	✓												
9	52	1345	3.084	50	✓										✓	✓	
10	53	1346	3.196	40	✓										✓	✓	
11	54	1347	3.736	30	✓								✓	✓	✓		✓ BUBBLE on LENS
12	55	1348	3.473	20	✓								✓	✓	✓		
13	56	1356	4.599	10	✓		✓						✓	✓	✓	✓	
14	57	1358	5.046	5	✓								✓	✓	✓	✓	
15	58	1361	5.959		✓								✓	✓	✓	✓	✓
16	59	1362	5.984		✓			✓	✓				✓	✓	✓	✓	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 357

Cast # down:
Cast # up:

Time	UTC
Begin:	0551
Bottom:	0554
End:	0611

START POSITION (GPS)
LAT: 49 43.70
LONG: 124 48.75

BOTTOM POSITION (GPS)
LAT: 49 43.75
LONG: 124 48.81

END POSITION (GPS)
LAT: 49 43.81
LONG: 124 48.77

ROSETTE LOG

MISSION ID: 2004-26 STATION: 9 CAST NUMBER: 015 UTC DATE (dd/mm/yyyy): 15/09/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	TCO	CI3	TO7							
							OXY		ALK	CHL		NH4	CDOM	SF				
1	60	1367	2.518	807-10	✓ 165	✓		✓					✓	✓				
2	61	709	2.900	150	✓ 150	✓		✓					✓	✓				
3	62	707	3.033	125	✓ 125			✓										
4	63	715	2.797	100	✓ 100			✓					✓	✓				
5	64	1105	3.022	75	✓ 75			✓					✓	✓				
6	65	1110	3.283	50	✓ 50			✓					✓	✓				
7	66	1126	3.415	40	✓ 40			✓			✓		✓	✓				
8	67	1128	3.581	30	✓ 30			✓			✓		✓	✓	✓			
9	68	1134	3.572	20	✓ 20	✓		✓			✓		✓	✓	✓			
10	69	1465	5.468	10	✓ 10			✓			✓		✓	✓	✓	✓		
11	70	1466	5.658	5	✓ 5			✓			✓		✓	✓	✓	✓		
*12	71	1467	5.700	0	✓ 1			✓			✓		✓	✓	✓	✓		BUBBLE ON LENS
13																		
14																		
15																		
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17																		
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23																		
24																		

Comments:

SHIP: VEC 70 h
ENTERED BY:
CHECKED BY:

Bottom Depth: 298

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0902
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 35 52
LONG: 124 30 33

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2004-26

STATION: 39

CAST NUMBER: 20

UTC DATE (dd/mm/yyyy):

15/9/2004

Niskin Sample OXY. OXY.
No. No. Flask ml/l

ROSETTE OPERATION		Samples taken													
Sample	Confirmed	SAL	NUT	TCO	CI3	TOT									
Depth	pressure	OXY		NP-4	ALK	CHL	NRc	COO ¹	44 ²	SFL					
1	72	1188	3.108	Bot-5	✓	375	✓								
2	73	727	3.102	350	✓	350	✓								
3	74	1216	3.055	300	✓	300	✓								
4	75	1223	3.185	250	✓	250									
5	76	1224	3.211	200	✓	200									
6	77	1225	3.252	175	✓	175									
7	78	1461	3.620	150	✓	150									
8	79	1321	3.382	125	✓	125									
9	80	1335	3.624	100	✓	100									
10	81	1337	3.316	75	✓	75									
11	82	1349	3.392	50	✓	50									
12	83	1360	3.425	40	✓	40									
13	* 84	1471	3.491	30	✓	30									
14	85	1366	3.995	20	✓	20									
15	86	1368	5.591	10	✓	10									
16	87	1373	5.547	5	✓	5									
17	88	1374	6.113	sur	✓	1									
18															
19															
20															
21															
22															
23															
24															

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 285

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1906

Bottom:

End:

START POSITION (GPS)

LAT: 49 09 81

LONG: 123 32.93

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

KOSETTE LOG

MISSION ID: 2004-26

STATION: 27

CAST NUMBER: 24

UTC DATE (dd/mm/yyyy):

15/09/2004

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 341

Cast # down: 24

Cast # up: 24

Time	LOC	UTC
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Begin: 2251

Bottom: 22' 59"

End: 23 18

START POSITION (GPS)

LAT: 49 19' 13.5

LONG: 1 2 3 4 7 9 8

BOTTOM POSITION (GPS)

LAT: 49 19 147

LONG: 123 4800 11

END POSITION (GPS)

LAT: 19 19 22.9

LONG: 125 43 191

[illegible]

Comments: note - Dxy - bubbles in 1st well - 5 + 10

ROSETTE LOG

MISSION ID: 2004-26

STATION: 26

CAST NUMBER: 29

UTC DATE (dd/mm/yyyy): 16/09/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3	TSI					
							OXY			ALK		CHL	CO2H	CH2				
1	105	1322	2.837		✓ 270	✓												
2	106	1323	2.785		✓ 250	✓												
3	107	1329	2.845		✓ 200													
4	108	1332	2.974		✓ 175													
5	109	1333	2.927	180	✓ 150								✓					
6	110	1338	3.074		✓ 125													
7	111	1341	3.123		✓ 100													
8	112	1342	3.154		✓ 75													
9	113	1345	3.361		✓ 50													
10	114	1346	3.522		✓ 40								✓					
11	115	1347	3.736		✓ 30								✓	✓				
12	116	1126	4.262		✓ 20								✓	✓				bubble probe
13	117	1356	5.638		✓ 10								✓	✓	✓			
14	118	1358	5.859		✓ 5								✓	✓	✓			
15	119	1361	6.107		✓ 1	✓		✓					✓	✓				
16																		
17																		
18																		
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20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 278

Cast # down: 29
Cast # up:

Time	LOC	UTC
Begin:		08:42
Bottom:		08:49
End:		09:04

START POSITION (GPS)
LAT: 49 24 14
LONG: 124 09 20

BOTTOM POSITION (GPS)
LAT: 49 24 11
LONG: 124 09 42

END POSITION (GPS)
LAT: 49 24 22
LONG: 124 10 01

Comments: