

ROSETTE LOG

MISSION ID: 2006-11 STATION: S1 CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 15/04/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	1144	C13						
							OXY				ALK		CHL	CDO				
1	1	1461	BOT	75	5.346	✓												fire all bottles
2	2	364	50		5.284	✓												
3	3	657	40		5.438	✓												
4	4	708	30		5.889	✓												
5	5	709	20		5.889?	✓												
6	6	715	10		7.727	✓				✓			✓	✓				
7	7	727	5		8.993	✓				✓			✓	✓				
8	8	1165	surf	1.2m	9.042			✓	✓									
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
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22																		
23																		
24																		

SHIP: Vector
ENTERED BY: T
CHECKED BY: T

Bottom Depth: 75

Cast # down: 1
Cast # up: 2

Time	LOC	UTC
Begin:	241	
Bottom:	248	
End:	256	

START POSITION (GPS)
LAT: 48 38 728
LONG: 123 29 876

BOTTOM POSITION (GPS)
LAT: 48 38 741
LONG: 123 29 824

END POSITION (GPS)
LAT: 48 38 808
LONG: 123 29 609

ROSETTE LOG

MISSION ID: 2006-11 STATION: 19 CAST NUMBER: 5 UTC DATE (dd/mm/yyyy): 15/04/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13							
							OXY				ALK		CHL	HPLC	CRM	SA	SPM		
1	9			30	✓	30								✓✓					
2	10			20	✓	20								✓✓				✓	
3	11			10	✓	10								✓✓	✓✓	✓		✓	
4	12			5	✓	5								✓✓					
5	13			0	✓	1								✓✓	✓✓	✓	✓	✓	
6																			
7																			
8																			
9																			
10																			
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22																			
23																			
24																			

Comments:

SHIP: VECTOR

ENTERED BY: MB

CHECKED BY:

Bottom Depth: 275

Cast # down: 5

Cast # up:

Time	LOC	UTC
Begin:	17:45	
Bottom:	17:52	
End:		

START POSITION (GPS)

LAT: 50 1.253

LONG: 124 52.937

BOTTOM POSITION (GPS)

LAT: 50 1.253

LONG: 124 52.927

END POSITION (GPS)

LAT: 50 1.219

LONG: 124 52.872

ROSETTE LOG

MISSION ID: 2006-11 STATION: 18 CAST NUMBER: 7 UTC DATE (dd/mm/yyyy): 15/04/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3							
						OXY				ALK		CHL	NPIC	DM	SA	SFM			
1	14			30	30.2								✓	✓					
2	15			20	20.1								✓	✓				✓	chl see note
3	16			10	10.4								✓	✓	✓	✓			
4	17			10	10.4													✓	
5	18			5	5.7								✓	✓			✓		
6	19			0	1.6								✓	✓		✓			chl see note
7	20			0	1.6													✓	
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments: #19 (both) & 15 (one) did not get filtered until next day. Sat at RT in dark until 2020 Apr 16 0400 NIO
→ chlorophyll sample only -
+ Cast number added to sheet Feb 10 2007 JCV

SHIP:
ENTERED BY: EF
CHECKED BY: NIO

Bottom Depth: 146

Cast # down: 7
Cast # up:

Time	LOC	UTC
Begin:		1922
Bottom:		1928
End:		

START POSITION (GPS)
LAT: 49 59.196
LONG: 124 58.977

BOTTOM POSITION (GPS)
LAT: 49 59.261
LONG: 124 59.059

END POSITION (GPS)
LAT: 49 59.172
LONG: 124 59.172

ROSETTE LOG

MISSION ID: 2006-11 STATION: 17 CAST NUMBER: 9* UTC DATE (dd/mm/yyyy): 15/04/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
							OXY				ALK		CHL	HPIC	CROM	SA	SPM	
1	21			30	29.8								✓✓					
2	22			20	20.0								✓✓				✓	
3	23			10	10.2								✓✓	✓✓	✓			
4	24			10	10.2												✓	
5	25			5	5.3								✓✓					
6	26			0	1.5								✓✓	✓✓	✓	✓		
7	27			0	1.5												✓	
8																		
9																		
10																		
11																		
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20																		
21																		
22																		
23																		
24																		

Comments: * Cast number added to sheet Feb/07 110

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2006-11 STATION: 02 CAST NUMBER: 124 UTC DATE (dd/mm/yyyy): 16/04/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TEMP	H ₂ O ₂	PH						
							OXY	61P	NH ₄	CDOM	ALK	DO	CHL	Phyto	SPH			
1	28	1327	2.234	005	269.1	✓	✓	✓✓										
2	29	1329	2.674	250	250.1		✓	✓✓										
3	30	1417	4.016	200	200.3		✓	✓✓										
4	31	1421	4.054	175	175.2		✓	✓✓										
5	32	1459	4.645	150	150.1		✓	✓✓		✓✓								
6	33	1438	4.812	125	125.2		✓	✓✓										
7	34	1439	5.150	100	100.2		✓	✓✓	✓✓									
8	35	1440	5.232	75	75.1		✓	✓✓	✓✓									
9	36	1441	4.576	50	50.4		✓	✓✓	✓✓									
10	37	1442	4.743	40	40.3		✓	✓✓					✓✓					
11	38	1443	5.517	30	30.3		✓	✓✓	✓✓				✓✓					
12	39			30	30.3													
13	40	1462	5.589	20	20.4	✓	✓	✓✓	✓✓	✓	✓✓		✓✓					
14	41			20	20.3										✓✓			
15	42			10	10.2		✓	✓✓	✓✓	✓	✓✓		✓✓					DID NOT TRIP
16	43			10	10.3										✓✓			
17	44	1446	7.291	5	5.3		✓	✓✓	✓✓	✓	✓✓	✓✓	✓✓	✓✓				
18	45			5	5.3													
19	46	1447	7.308	0	1.9		✓	✓✓	✓✓	✓	✓✓	✓✓	✓✓					
20	47			0	1.5										✓✓			
21																		
22																		
23																		
24																		

Comments: # 15 DID NOT TRIP

SHIP: VECTOR
ENTERED BY: EF
CHECKED BY: MB

Bottom Depth: 277

Cast # down: 14
Cast # up: 14

Time	LOC	UTC
Begin:		0753
Bottom:		0759
End:		0821

START POSITION (GPS)
LAT: 49 24 07
LONG: 124 09 28

BOTTOM POSITION (GPS)
LAT: 49 24 04
LONG: 124 09 25

END POSITION (GPS)
LAT: 49 24 08
LONG: 124 09 16

ROSETTE LOG

MISSION ID: 2006-11 STATION: 03 CAST NUMBER: 17 UTC DATE (dd/mm/yyyy): 18/04/06

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	✓	TCO	NH4	CI3						
							OXY		CO2	ALK		CHL		HP45	SF 20			
1	48	1461	2.759	Bot-5	✓	X	X											
2	49	364	2.713	300	✓		X											
3	50	657	2.936	250	✓		X											
4	51	708	3.466	200	✓		X											
5	52	709	3.930	175	✓		X											
6	53	715	4.863	150	✓		X		✓									
7	54	727	4.971	125	✓		X											
8	55	1105	5.024	100	✓		X				vv							
9	56	1110	4.911	75	✓		X				vv							
10	57	1134	4.532	50	✓		X				vv							
11	58	1138	4.713	40	✓		X					vv						
12	59	1130	5.292	30	✓		X				vv		vv					
13	60			30	✓													
14	60	1126	6.379	20	✓		X				vv		vv					
15				20	✓	X			✓					vv				
16	61	1128	7.060	10	✓		X				vv		vv					
17				10	✓				✓					vv				
18	62	1135	7.133	5	✓		X				vv		vv					
19				5	✓				✓						vv			
20	63	1142	7.108	0	✓		X				vv		vv		vv			
21				0	✓				✓						vv	vv		
22																		
23																		
24																		

Comments:

SHIP: V-04-D
ENTERED BY: Lizette
CHECKED BY:

Bottom Depth: 316

Cast # down: 17
Cast # up: 17

Time	LOC	UTC
Begin:	11	31
Bottom:	11	37
End:	11	58

START POSITION (GPS)
LAT: 49 26 608
LONG: 124 20 278

BOTTOM POSITION (GPS)
LAT: 49 26 600
LONG: 124 20 210

END POSITION (GPS)
LAT: 49 26 585
LONG: 124 20 144

ROSETTE LOG

MISSION ID: 2086-11 STATION: 06 CAST NUMBER: 19 UTC DATE (dd/mm/yyyy): 17/05/06

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
							OXY		NH4		ALK		CHL	SiO2	HAU	CDOM		
1	64	1136	3.647	Bot-5	✓	✓	✓	✓										
2	65	1158	3.825	175	✓		✓	✓										
3	66	1175	4.202	150	✓		✓	✓								✓		
4	67	1176	4.472	125	✓		✓	✓										
5	68	1385	4.471	100	✓		✓	✓	✓									
6	69	1389	4.192	75	✓		✓	✓	✓									
7	70	1386	4.568	50	✓		✓	✓	✓									
8	71	1146	5.295	40	✓		✓	✓				✓	✓					
9	72	1391	5.867	30	✓		✓	✓	✓			✓	✓					
10	73	1392		30	✓													
11	74	1393	6.389	20	✓		✓	✓	✓			✓	✓	✓	✓	✓		
12	75			20	✓													
13	76	1394	5.625	10	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓		Contamination in sample, titration not finished
14	77			10	✓													
15	78	1397	7.132	5	✓		✓	✓	✓			✓	✓	✓	✓	✓		
16	79			5	✓													
17	80	1434	7.104	0	✓		✓	✓	✓			✓	✓	✓	✓	✓		
18	81			0	✓													
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Nutrient Sampling: It appears labels were wrong. Samples labelled 73,74,75 & 76 should be 74,76,78 and 80.

SHIP: Vector-
ENTERED BY: *[Signature]*
CHECKED BY:

Bottom Depth: 189

Cast # down: 19
Cast # up: 19

Time	LOC	UTC
Begin:	13	58
Bottom:	14	03
End:	14	21

START POSITION (GPS)
LAT: 49 30 617
LONG: 124 27 900

BOTTOM POSITION (GPS)
LAT: 49 30 620
LONG: 124 27 844

END POSITION (GPS)
LAT: 49 30 629
LONG: 124 27 736

ROSETTE LOG

MISSION ID: 2006-11 STATION: 9 CAST NUMBER: 2222 UTC DATE (dd/mm/yyyy): 17/04/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	HPLC	CH3						
							OXY		NH4	COND	ALK	pH	CHL	phos	SA	SP		
1	82	5.72	4.097	807.5	✓ 160	✓	✓	✓✓										WRONG FLASK NO IN FILE
2	83	1479	3.689	150	✓ 150		✓	✓✓		✓								PROBLEM WITH PROGRAM
3	84	1481	3.983	125	✓ 125		✓	✓✓										
4	85	1482	4.143	100	✓ 100		✓	✓✓	✓✓									
5	86	1483	4.005	75	✓ 75		✓	✓✓	✓✓									
6	87	1484	4.280	50	✓ 50		✓	✓✓	✓✓									
7	88	1485	5.228	40	✓ 40		✓	✓✓				✓✓						
8	89	1342	5.681	30	✓ 30		✓	✓✓	✓✓			✓✓						
9	90	1284	5.821	20	✓ 20		✓	✓✓	✓✓	✓	✓✓	✓✓						
10	91			20	✓ 20													
11	92	1295	6.353	10	✓ 10	✓	✓	✓✓	✓✓	✓	✓✓	✓✓						
12	93			10	✓ 10											✓✓		
13	94	1332	5.994	5	✓ 5		✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓			
14	95			5	✓ 5											✓✓		
15	96	1465	6.046	0	✓ 1		✓	✓✓	✓✓	✓	✓✓	✓✓	✓✓					NO SAMPLE
16	97			0	✓ 1											✓✓		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: NO WATER SEALING SAMPLES

SHIP: VECTOR
ENTERED BY: MO
CHECKED BY: ET

Bottom Depth: 172

Cast # down: 22
Cast # up:

Time	LOC	UTC
Begin:	10:15	17:15
Bottom:	10:21	17:20
End:	10:37	17:36

START POSITION (GPS)
LAT: 49 35.508
LONG: 124 38.26

BOTTOM POSITION (GPS)
LAT: 49 35.557
LONG: 124 38.28

END POSITION (GPS)
LAT: 49 35 768
LONG: 124 38 28

ROSETTE LOG

MISSION ID: 2006-11 STATION: 10 CAST NUMBER: 24* UTC DATE (dd/mm/yyyy): 17/04/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken											
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3					
							OXY				ALK		CHL	HPIC	OPOM	SA	SPOM
1	98			30	30.1								✓✓				
2	99			20	20.3								✓✓				✓✓
3	100			10	10.1								✓✓	✓✓	✓		✓✓
4	101			5	5.2								✓✓				
5	102			6	1.8								✓✓	✓✓	✓	✓	✓✓
6																	
7																	
8																	
9																	
10																	
11																	
12																	
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23																	
24																	

Comments: * Cast # 24 - comment added Feb/07 MD

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 92

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2006-11 STATION: 11 CAST NUMBER: 26 UTC DATE (dd/mm/yyyy): 17/04/2006

		ROSETTE OPERATION		Samples taken													
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13					
							OXY			ALK		CHL	PL	ZOM	SA	PM	
1	103			30	30.3							✓					
2	104			20	20.3							✓				✓	
3	105			10	10.1							✓	✓	✓		✓	
4	106			5	5.2							✓					
5	107*			0								✓	✓	✓	✓	✓	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
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14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments: * Sample Number changed to 9107 G. Gatiou 26 June 2006
r Cast numbers added to sheet Feb/07 MB

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2006-11 STATION: 12 CAST NUMBER: 28 UTC DATE (dd/mm/yyyy): 17/04/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		PH	DO	TEMP	CHL	PHYL	SPEC	SPM		
							OXY	G/P	NH4	CDOM	ALK	220 SEC						
1	107	1327	2.817	BOT-5	✓ 345	✓	✓	✓										
2	108	1329	3.095	300	✓ 300		✓	✓										
3	109	1417	3.246	250	✓ 250		✓	✓										
4	110	1421	3.481	200	✓ 200		✓	✓										
5	111	1459	3.964	175	✓ 175		✓	✓										
6	112	1438	4.206	150	✓ 150		✓	✓		✓								
7	113	1439	4.250	125	✓ 125		✓	✓										
8	114	1440	4.076	100	✓ 100		✓	✓	✓									
9	115	1441	4.041	75	✓ 75		✓	✓	✓									
10	116	1442	6.510	50	✓ 50		✓	✓	✓									
11	117	1443	6.996	40	✓ 40		✓	✓	✓				✓					
12	118	1462	7.228	30	✓ 30		✓	✓	✓				✓					
13	119			20	✓ 20	✓	✓	✓	✓	✓	✓		✓					
14	120	1445	7.328	20	✓ 20													
15	121	1446	7.373	10	✓ 10		✓	✓	✓	✓	✓		✓					
16	122			10	✓ 10												✓	
17	123	1447	7.411	5	✓ 5		✓	✓	✓	✓	✓	✓	✓	✓				
18	124			5	✓ 5													✓
19	125	1448	7.433	0	✓ 2		✓	✓	✓	✓	✓	✓	✓		✓			
20	126			0	✓ 2												✓	
21																		
22																		
23																		
24																		

Comments: 13 DID NOT TRIP => SEE NOTE IN LOG
+ took from BOTTLE 14
during titration, sample 114 was called 1140 in data file

SHIP:
ENTERED BY: M19
CHECKED BY:

Bottom Depth: 357

Cast # down: 28
Cast # up: 28

Time	LOC	UTC
Begin:		2059
Bottom:		2111
End:		2134

START POSITION (GPS)
LAT: 49 43 59
LONG: 124 40 88

BOTTOM POSITION (GPS)
LAT: 49 43 54
LONG: 124 40 94

END POSITION (GPS)
LAT: 49 43 74
LONG: 124 40 85

ROSETTE LOG

MISSION ID: 2006-11

STATION: 27

CAST NUMBER: 31

UTC DATE (dd/mm/yyyy): 18/04/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	CHL	AEK	CI3	CHL	35	35	35	35	35	35
1	128	1461		80T	✓ 355	✓	✓	✓											
2	129	364	2.826	300	✓ 300		✓	✓											
3	130	657	2.980	250	✓ 250		✓	✓											
4	131	708	3.260	200	✓ 200		✓	✓											
5	132	709	3.859	175	✓ 175		✓	✓		✓									
6	133	715	4.708	150	✓ 150		✓	✓											
7	134	727	4.965	125	✓ 125		✓	✓											
8	135	1105	4.886	100	✓ 100		✓	✓	✓										
9	136	1110	4.886	75	✓ 75		✓	✓	✓										
10	137	1134	4.699	50	✓ 50		✓	✓	✓				✓						
11	138	1138	4.631	40	✓ 40		✓	✓	✓				✓						
12	139	1130	5.162	30	✓ 30		✓	✓	✓				✓						
13	140			30	✓ 30														PID NOT FIRE
14	141	1126	5.728	20	✓ 20	✓	✓	✓	✓	✓			✓						
15	142			20	✓ 20			✓	✓	✓	✓	✓	✓						
16	143	1128	6.664	10	✓ 10			✓	✓	✓	✓	✓	✓						
17	144			10	✓ 10			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
18	145	1135	6.826	5	✓ 5			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
19	146			5	✓ 5			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
20	147	1142	6.816	0	✓ 2			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
21	148			0	✓ 2														
22																			
23																			
24																			

SHIP: VECTOR
ENTERED BY: L178778
CHECKED BY:

Bottom Depth: 355

Cast # down: 31
Cast # up:

Time	LOC	UTC
Begin:		03:46
Bottom:		03:55
End:		04:18

START POSITION (GPS)
LAT: 49 19.207
LONG: 123 48.125

BOTTOM POSITION (GPS)
LAT: 49 19.294
LONG: 123 48.204

END POSITION (GPS)
LAT: 49 19.514
LONG: 123 48.305

ROSETTE LOG

MISSION ID: 2006-11

STATION: 39

CAST NUMBER: 35

UTC DATE (dd/mm/yyyy):

18/04/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	HPLC	CH3							
							OXY		NH4	ODOR	ALK	TEMP	CHL						
1	149	1327	2.734	800-5	369.8	✓	✓	✓											
2	150	1329	2.716	350	350.1		✓	✓											
3	151	1417	2.895	300	300.1		✓	✓											
4	152	1421	3.263	250	250.1		✓	✓											
5	153	1438	4.067	200	200.1		✓	✓											
6	154	1459	4.380	175	175.0		✓	✓											
7	155	1439	4.629	150	150.4		✓	✓		✓									
8	156	1440	4.750	125	129.0		✓	✓											
9	157	1441	5.253	100	100.1		✓	✓	✓										
10	158	1442	5.172	75	75.1		✓	✓	✓										
11	159	1443	4.620	50	50.2		✓	✓	✓										
12	160	1462	4.751	40	40.2		✓	✓					✓						
13	161			30	30.2	DO NOT USE, NOT RELIABLE												Dongia sample	
14	162	1445	4.982	30	30.1	✓	✓	✓	✓				✓					Box it after ten	
15	163	1446	5.641	20	20.1		✓	✓	✓	✓	✓		✓					lost cool	
16	164	1447	6.313	10	10.1		✓	✓	✓	✓	✓		✓						
17	165	1448	7.066	5	5.2		✓	✓	✓	✓	✓	✓	✓						
18	166	1449	7.387	0	2.3		✓	✓	✓	✓	✓	✓	✓						
19																			
20																			
21																			
22																			
23																			
24																			

SHIP:

ENTERED BY: MLO

CHECKED BY: DT

Bottom Depth: 388

Cast # down: 35

Cast # up: 35

Time LOC UTC

Begin: 8:46

Bottom: 8:57

End: 9:20

START POSITION (GPS)

LAT: 49 9.811

LONG: 123 33.187

BOTTOM POSITION (GPS)

LAT: 49 9.838

LONG: 123 33.134

END POSITION (GPS)

LAT: 49 9.859

LONG: 123 33.115

Comments:

ROSETTE LOG

MISSION ID: 2000-11 STATION: 42 CAST NUMBER: 39 UTC DATE (dd/mm/yyyy): 18/04/06

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	HALE	013						
1	167	304-5	3.045	146.1	✓	✓	✓	✓										
2	168	300	3.079	364	✓		✓	✓										phyto in sample
3	169	250	3.478	657	✓		✓	✓										
4	170	200	3.958	708	✓		✓	✓										
5	171	175	4.260	709	✓		✓	✓										
6	172	150	5.019	715	✓		✓	✓		✓								
7	173	125	5.453	727	✓		✓	✓										
8	174	100	5.507	1105	✓		✓	✓	✓									
9	175	75	5.623	1110	✓		✓	✓	✓									
10	176	50	5.637	1134	✓		✓	✓	✓									
11	177	40	5.295	1138	✓		✓	✓	✓				✓					
12	178	30	5.279	1130	✓		✓	✓	✓									
13	179	30			✓		✓	✓	✓				✓					
14	180	20	5.678	1126	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
15	181	10			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
16	182	5	6.141	1135	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
17	183	0	6.316	1142	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
18	184	0			✓													
19																		
20																		
21																		
22																		
23																		
24																		

Comments: 13 6 15 didn't fire NUTS didn't fill

SHIP:
ENTERED BY: SS
CHECKED BY: SS

Bottom Depth: 310

Cast # down: 39
Cast # up: 39

Time	LOC	UTC
Begin:	<u>13 25</u>	
Bottom:	<u>13 33</u>	
End:		

START POSITION (GPS)
LAT: 49 18 89
LONG: 123 26 213

BOTTOM POSITION (GPS)
LAT: 49 19 90
LONG: 123 26 400

END POSITION (GPS)
LAT: 49 21 07
LONG: 123 27 038

ROSETTE LOG

MISSION ID: 2006-11

STATION: 39

CAST NUMBER: 41

UTC DATE (dd/mm/yyyy):

18/04/2006

*OPTIC ONLY, only goy down to sample depth

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken														
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CHL	HPLC	CDM		SPEC ABS	SPM	
1	9184			30	✓	30									✓✓					
2	185			20	✓	20									✓✓					
3	186			20	✓	20													✓	
4	187			10	✓	10									✓✓	✓✓	✓			
5	188			10	✓	10													✓	
6	189			5	✓	5									✓✓					
7	190			0	✓	2									✓✓	✓✓	✓	✓		
8	191			0	✓	2													✓	
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments: Sample # 184, repeated used, use "9184" instead

SHIP: VECTOR

ENTERED BY: EF

CHECKED BY: LAD

Bottom Depth:

Cast # down: 41

Cast # up:

Time LOC UTC

Begin: 16:02

Bottom: 30m only 16:03

End: 16:10

START POSITION (GPS)

LAT: 49 09 91

LONG: 123 32 91

BOTTOM POSITION (GPS)

LAT: 49 09 92

LONG: 123 32 94

END POSITION (GPS)

LAT: 49 09 93

LONG: 123 33 00

ROSETTE LOG

* OPTIC ONLY, only going down to sample depth.

MISSION ID: 2006-11 STATION: 42 CAST NUMBER: 43 UTC DATE (dd/mm/yyyy): 18/04/2016

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13							
							OXY			ALK		CHL	HPIC	CDOM	SP1C	SP14			
1	192			30	✓ 30							VV							
2	193			20	✓ 20							VV							
3	194			20	✓ 20												✓		
4	195			10	✓ 10							VV	VV	✓					
5	196			10	✓ 10												✓		
6	197			5	✓ 5							VV							
7	198			0	✓ 2							VV	VV	✓	✓				
8	199			0	✓ 2												✓		
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

SHIP: VECTON

ENTERED BY: VECTON

CHECKED BY: EF

Bottom Depth:

Cast # down: 43

Cast # up:

Time LOC UTC

Begin: 17.42

Bottom: 30m 17.44

End: 17.49

START POSITION (GPS)

LAT: 49 1.873

LONG: 123 26.269

30 m

BOTTOM POSITION (GPS)

LAT: 49 1.862

LONG: 123 26.262

END POSITION (GPS)

LAT: 49 1.826

LONG: 123 26.144

ROSETTE LOG

MISSION ID: 2006-11 STATION: 46 CAST NUMBER: 45 UTC DATE (dd/mm/yyyy): 18/04/06

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	PH	C13						
1	2012	1417	4.790	85.5	139.1	✓	✓	✓										
2	201	1421	4.937	150	150.1		✓	✓		✓								
3	202	1438	5.194	125	124.8		✓	✓										
4	203	1459	5.259	100	100.1		✓	✓	✓									
5	204	1439	5.424	75	75.5		✓	✓	✓									
6	205	1440	5.501	50	50.1		✓	✓	✓									
7	206	1441	5.583	40	39.9		✓	✓					✓	✓				
8	207	1442	5.862	30	29.8		✓	✓	✓				✓	✓				
9	208	1443	6.064	20	20.3	✓	✓	✓	✓	✓	✓	✓	✓	✓				
10	209	1444	6.1	20	20.3												✓	
11	210	1462	6.451	10	10.2		✓	✓	✓	✓	✓	✓	✓	✓				
12	211			10	10.3												✓	
13	212	1445	6.542	5	5.0		✓	✓	✓	✓	✓	✓	✓	✓	✓			
14	213			5	5.0													
15	214	1446	6.794	0	1.8		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	
16	215			0	1.9												✓	
17	216			0	1.8													
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:

ENTERED BY: NO

CHECKED BY:

Bottom Depth: 167

Cast # down: 45

Cast # up: 45

Time	LOC	UTC
Begin:	19 51	
Bottom:	20 01	
End:	20 15	

START POSITION (GPS)	
LAT:	49 51 45.8
LONG:	123 10 82.2

BOTTOM POSITION (GPS)	
LAT:	48 51 42.1
LONG:	123 10 81.1

END POSITION (GPS)	
LAT:	48 51 41.2
LONG:	123 10 80.1

Comments:

ROSETTE LOG

MISSION ID: 2006-11 STATION: 56 CAST NUMBER: 49 UTC DATE (dd/mm/yyyy): 19/04/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	5820	623						
							OXY		N44	CHL	ALK	YPL	CHL	CD				
1	217	1346	5.576	Bot	✓ 203	✓	✓	✓										
2	218	1347	5.521	200	✓ 200		✓	✓										
3	219	1349	5.535	175	✓ 175		✓	✓										
4	220	1351	5.531	150	✓ 150		✓	✓					✓					
5	221	1353	5.550	125	✓ 125		✓	✓										
6	222	1354	5.590	100	✓ 100		✓	✓	✓									
7	223	1356	5.677	75	✓ 75		✓	✓	✓									
8	224	1358	5.724	50	✓ 50		✓	✓	✓									
9	225	1360	5.648	40	✓ 40		✓	✓		✓								
10	226	1361	5.672	30	✓ 30													
11	227			30	✓ 30		✓	✓	✓	✓								
12	228			20	✓ 20													
13	229	1362	5.676	20	✓ 20		✓	✓	✓	✓		✓		✓				
14	230			10	✓ 10													
15	231	1364	5.685	10	✓ 10	✓	✓	✓	✓	✓		✓		✓				
16	232			5	✓ 5													
17	233	1368	5.743	5	✓ 5		✓	✓	✓	✓	✓	✓		✓				
18	234			0	✓ 0													
19	235	1363	5.763	0	✓ 0		✓	✓	✓	✓	✓	✓		✓				
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 216

Cast # down: 49
Cast # up:

Time	LOC	UTC
Begin:		05:17
Bottom:		05:22
End:		05:36

START POSITION (GPS)
LAT: 48 46.59
LONG: 123 01.25

BOTTOM POSITION (GPS)
LAT: 48 46.56
LONG: 123 01.267

END POSITION (GPS)
LAT: 48 46.46
LONG: 123 01:35

ROSETTE LOG

MISSION ID: 2006-11 STATION: 62 CAST NUMBER: 60 UTC DATE (dd/mm/yyyy): 19/04/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken											
				Sample Depth	Confirmed pressure	SAL		NUT		TOO	HPLC	C13					
							OXY		NH4	CO ₂	ALK	SiO ₂	CHL	Phyto	Spm	SPM	
1	236	1346	4.986	Bot-5	✓ 143	✓	✓	✓	✓								
2	237	1347	5.150	100	✓ 100		✓	✓	✓	✓							
3	238	1349	5.342	75	✓ 75		✓	✓	✓	✓							
4	239	1351	3.531	50	✓ 50		✓	✓	✓	✓							
5	240	1353	5.661	40	✓ 40		✓	✓	✓	✓			✓				
6	241	1354	5.727	30	✓ 30		✓	✓	✓	✓			✓				
7	242			30	✓ 30												
8	243	1355	5.831	20	✓ 20		✓	✓	✓	✓	✓		✓				
9	244			20	✓ 20											✓	
10	245	1358	5.929	10	✓ 10	✓	✓	✓	✓	✓	✓		✓				
11	246			10	✓ 10											✓	
12	247	1360	5.974	5	✓ 5		✓	✓	✓	✓	✓	✓	✓	✓			Phyto detn 11 samples
13	248			5	✓ 5												
14	249	1361	5.989	0	✓ 2		✓	✓	✓	✓	✓	✓	✓		✓		
15	250			0	✓ 2											✓	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments: NOTE: STATION CLOSE TO VICTORIA - NH₄ SAMPLE ADDED A BOT BOTTLE (145 m)

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 151

Cast # down: 67

Cast # up:

Time	LOC	UTC
Begin:		17:10
Bottom:		17:15
End:		

START POSITION (GPS)
LAT: 48 22.814
LONG: 123 02.671

BOTTOM POSITION (GPS)
LAT: 48 22.836
LONG: 123 02.752

END POSITION (GPS)
LAT: 48 22.836
LONG: 123 02.981

ROSETTE LOG

MISSION ID: 2006-11

STATION: 63

CAST NUMBER: 62

UTC DATE (dd/mm/yyyy):

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CHL	HPIC	CDM	SPEC ABS		SPM
1	251			30	30.3									✓✓					
2	252			20	20.2									✓✓					
3	253			20	20.3													✓✓	
4	254			10	10.1									✓✓	✓✓	✓			
5	255			10	10.1													✓✓	
6	256			5	5.0									✓✓					
7	257			0	1.8									✓✓	✓✓	✓	✓		
8	258			0	1.9													✓✓	
9	259*			0	1.8													✓	extra for Sechart
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments: * Sample Number changed to 9259 G. Gatiell 26 June 2006

SHIP: VECTOR

ENTERED BY: EF

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2006 STATION: 65 CAST NUMBER: 65 UTC DATE (dd/mm/yyyy): 19/04/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TEO	HPD	CH						
1	259	1417	4.880	113	113	✓	✓	✓	✓									
2	260	1421	4.914	100	100.3		✓	✓	✓									
3	261	1438	5.339	75	75.3		✓	✓	✓									
4	262	1439	5.380	50	50.3		✓	✓	✓									
5	263	1440	5.416	40	40.1		✓	✓	✓									
6	264	1459	5.470	30	50.2		✓	✓										
7	265			30	30.2													
8	266	1441	5.620	20	20.3		✓	✓	✓	✓	✓							
9	267			20	20.3													
10	268	1442	5.683	10	10.2		✓	✓	✓	✓	✓							
11	269			10	10.2													
12	270	1443	5.703	5	5.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
13	271			5	5.0													
14	272	1445	5.714	0	1.9		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
15	273			0	1.8													
16	274			0	1.9													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:

ENTERED BY: DA+RE

CHECKED BY: DT

Bottom Depth: 122

Cast # down: 65

Cast # up: 65

Time	LOC	UTC
Begin:		20:52
Bottom:		20:59
End:		21:06

START POSITION (GPS)

LAT: 48 15.902

LONG: 123 9.694

BOTTOM POSITION (GPS)

LAT: 48 15.934

LONG: 123 9.676

END POSITION (GPS)

LAT: 48 15.953

LONG: 123 9.714

Comments:

in oxy program (titration) recorded #260 + #261 at 113 m (DT)

ROSETTE LOG

MISSION ID: 2006

STATION: 66

CAST NUMBER: 68*

UTC DATE (dd/mm/yyyy):

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	ALK	PH	CHL	NO ₃	NO ₂	SiO ₄	Fe	
1	275			30	30.4								✓					
2	276			20	20.2								✓					
3	277			20	20.2													✓
4	278			10	9.7								✓	✓	✓			
5	279			10	9.8								✓					✓
6	280			5	5.2								✓	✓	✓			
7	281			0	1.9								✓	✓	✓	✓		
8	282			0	1.8													✓
9	283			0	1.9													✓ extra for server
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: * Cast number added to sheet Feb/07/18

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2006-11 STATION: ADCP CAST NUMBER: 71 UTC DATE (dd/mm/yyyy): 20/05/06

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		PH	CDOM	CHL	ALR	SF	CHL	PHTO		
1	284	1446	4.938	BOT-5	✓ 110	✓		✓	✓									
2	285	1462	4.907	100	✓			✓	✓	✓			✓					
3	286	1329	4.938	75	✓			✓	✓	✓								
4	287	1327	4.955	50	✓			✓	✓	✓								
5	288	1447	5.032	40	✓			✓	✓		✓							
6	289	1448	5.216	30	✓			✓	✓	✓	✓							
7	290			20	✓										✓			
8	291	1449	5.347	20	✓			✓	✓	✓	✓	✓						
9	292			10	✓										✓			
10	293	1450	5.558	10	✓	✓	✓	✓	✓	✓	✓	✓						
11	294			5	✓								✓	✓	✓	✓		
12	295	1451	5.593	5	✓			✓	✓	✓	✓	✓						
13	296			0									✓	✓				
14	297	1452	5.654	0				✓	✓	✓	✓	✓	✓					
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:

ENTERED BY:

CHECKED BY: 11

Bottom Depth: 119

Cast # down: 71

Cast # up: 71

Time LOC UTC

Begin: 00:26

Bottom: 00:29

End: 00:39

START POSITION (GPS)

LAT: 48 14 080

LONG: 123 17 926

BOTTOM POSITION (GPS)

LAT: 48 14 065

LONG: 123 17 864

END POSITION (GPS)

LAT: 48 14 041

LONG: 123 17 600

Comments:

Bottle 10 didn't fire, used Bottle #7 instead.

ROSETTE LOG

MISSION ID: 2006-11

STATION: 69

CAST NUMBER: 74

UTC DATE (dd/mm/yyyy):

20/04/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		Teo	CO2	CHL	CHL	CHL	CHL	CHL	CHL	
1	298	1270	3.569	30T	✓ 170	✓	✓	✓										
2	299	1479	—	150	✓ 150		✓	✓	VV		✓							Sample Data? f
3	300	1481	—	125	✓ 125		✓	✓										
4	301	1482	5.296	100	✓ 100		✓	✓	VV									
5	302	1483	5.408	75	✓ 75		✓	✓	VV									
6	303	1484	5.615	50	✓ 50		✓	✓	VV									
7	304	1485	5.667	40	✓ 40		✓	✓		VV								
8	305	1342	5.882	30	✓ 30		✓	✓	VV	VV								Phyto in sample
9	306	1284	6.249	20	✓ 20		✓	✓	VV	VV	✓	✓						
10	307			20	✓ 20													
11	308	1295	7.101	10	✓ 10	✓	✓	✓	VV	VV	✓	✓						
12	309			10	✓ 10													
13	310	1332	6.669	5	✓ 5		✓	✓	VV	VV	✓	✓	✓					
14	311			5	✓ 5													
15	312	1465	6.822	0	✓ 1		✓	✓	VV	VV	✓	✓	✓					
16	313			0	✓ 1													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Titration reading on #299 very wonky (3610484.158). Titrated fast (55 seconds)
#300 also weird (3679478.663). 68 seconds

SHIP: V8C7UR

ENTERED BY: JF

CHECKED BY: H0

Bottom Depth: 180

Cast # down: 74

Cast # up:

Time LOC UTC

Begin: 04:10

Bottom: 04:14

End:

START POSITION (GPS)

LAT: 48 15.558

LONG: 123 43-157

BOTTOM POSITION (GPS)

LAT: 48 15.469

LONG: 123 43.022

END POSITION (GPS)

LAT: 48 15.308

LONG: 123 42.503

ROSETTE LOG

MISSION ID: 2006-11 STATION: 72 CAST NUMBER: 77 UTC DATE (dd/mm/yyyy): 20/04/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	HPLC	CHL						
							OXY		W.H.	DOM	ALK	320	CHL	ph				
1	314	1336	4.221	BOT	176.8	✓	✓	✓										
2	315	1476	2.974	175	175			✓	✓									
3	316	1464	3.089	150	150.2			✓	✓	✓								
4	317	1466	4.161	125	124.8			✓	✓									
5	318	1335	4.741	100	100.0			✓	✓	✓								
6	319	1467	5.031	75	75.6			✓	✓	✓								
7	320	1468	5.455	50	49.8			✓	✓	✓								
8	321	1470	5.637	40	39.8			✓	✓	✓			✓	✓				
9	322	1471	5.712	30	30.0			✓	✓	✓			✓	✓				
10	323	1473	6.081	20	20.2	✓	✓	✓	✓	✓	✓	✓	✓	✓				
11	324			20	20.1													
12	325	1477	6.022	10	9.9			✓	✓	✓	✓	✓	✓	✓				
13	326			10	10.0													
14	327	1475	6.277	5	5.1			✓	✓	✓	✓	✓	✓	✓	✓	✓		
15	328			5	5.1													
16	329	1248	6.256	0	1.6			✓	✓	✓	✓	✓	✓	✓	✓			
17	330			0	1.7													
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:

ENTERED BY: MQ

CHECKED BY:

Bottom Depth: 187

Cast # down: 77

Cast # up: 77

Time

LOC

UTC

Begin: 0756

Bottom: 0801

End: 0817

START POSITION (GPS)

LAT: 48 18 62

LONG: 123 03 78

BOTTOM POSITION (GPS)

LAT: 48 18 62

LONG: 123 03 72

END POSITION (GPS)

LAT: 48 18 57

LONG: 123 03 62

ROSETTE LOG

MISSION ID: 2006-11 STATION: 102 CAST NUMBER: 80 UTC DATE (dd/mm/yyyy): 20/05/06

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	HPLC	CHL	PH	70				
1	331	1461	2.290	BOT-5	✓ 250	✓		✓	✓									
2	332	364	2.724	200	✓			✓	✓									
3	333	657	3.221	175	✓			✓	✓									
4	334	708	3.672	150	✓			✓	✓		✓							
5	335	709	4.214	125	✓			✓	✓									
6	336	715	5.388	100	✓			✓	✓	✓								
7	337	727	5.247	75	✓			✓	✓	✓								
8	338	1105	5.777	50	✓			✓	✓	✓								
9	339	1110	6.315	40	✓			✓	✓	✓			✓	✓				
10	340	1134	6.477	30	✓	✓		✓	✓	✓			✓	✓				
11	341	1138	6.805	20	✓			✓	✓	✓	✓	✓	✓	✓				
12	342			20	✓													
13	343	1130	6.815	10	✓			✓	✓	✓	✓	✓	✓	✓				
14	344			10	✓													
15	345	1126	6.829	5	✓			✓	✓	✓	✓	✓	✓	✓	✓			
16	346			5	✓													
17	347	1128	6.815	0	✓			✓	✓	✓	✓	✓	✓	✓				
18	348			0	✓ 210													
19																		
20																		
21																		
22																		
23																		
24																		

Comments: _____

SHIP: V. actv.
 ENTERED BY: th
 CHECKED BY: th

Bottom Depth: 260

Cast # down: 80
 Cast # up: 80

Time	LOC	UTC
Begin:	<u>1429</u>	
Bottom:	<u>1436</u>	
End:		

START POSITION (GPS)
 LAT: 48 29 939
 LONG: 124 44 006

BOTTOM POSITION (GPS)
 LAT: 48 29 899
 LONG: 124 43 931

END POSITION (GPS)
 LAT: _____
 LONG: _____

ROSETTE LOG

MISSION ID: 2006-11 STATION: 76 CAST NUMBER: 82 UTC DATE (dd/mm/yyyy): 20/04/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	4PLC	CDOM	SPEC ADS	SPH	
1	349			30	✓ 30								✓✓					
2	350			20	✓ 20								✓✓					
3	351			20	✓ 20												✓✓	
4	352			10	✓ 10								✓✓	✓✓	✓			
5	353			10	✓ 10												✓✓	
6	354			5	✓ 5								✓✓	✓✓				
7	355			0	✓ 0								✓✓	✓✓	✓	✓		
8	356			0	✓ 0												✓✓	
9				0	✓ 0													
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: JEC701

ENTERED BY:

CHECKED BY:

Bottom Depth: 93

Cast # down: 76

Cast # up:

Time	LOC	UTC
Begin:		17:07
Bottom:		17:10
End:		

START POSITION (GPS)

LAT: 48 31.378

LONG: 124 30.228

BOTTOM POSITION (GPS)

LAT: 48 31.367

LONG: 124 30.268

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2006-11

STATION: 75

CAST NUMBER: 84

UTC DATE (dd/mm/yyyy): 20/04/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	TEMP	C13						
1	357	1135	2.519	800-5	✓ 213	✓	✓	✓										
2	358	1142	2.501	200	✓ 200			✓	✓									
3	359	1136	5.277	175	✓ 175			✓	✓									
4	360	1158	3.230	150	✓ 150			✓	✓	✓								
5	361	1175	4.331	125	✓ 125			✓	✓									
6	362	1176	4.845	100	✓ 100			✓	✓	✓								
7	363	1358	5.332	75	✓ 75			✓	✓	✓								
8	364	1389	5.343	50	✓ 50			✓	✓	✓								
9	365	1386	5.491	40	✓ 40			✓	✓				✓	✓				
10	366	1146	5.710	30	✓ 30			✓	✓	✓				✓	✓			
11	367	1397	6.117	20	✓ 20			✓	✓	✓	✓	✓		✓	✓			
12	368			20	✓ 20											✓		
13	369	1391	6.725	10	✓ 10	✓	✓	✓	✓	✓	✓		✓					
14	370			10	✓ 10											✓		
15	371	1394	6.842	5	✓ 5			✓	✓	✓	✓	✓	✓	✓	✓			
16	372			5	✓ 5													
17	373	1393	6.869	0	✓ 2			✓	✓	✓	✓	✓	✓	✓	✓	✓		
18	374			0	✓ 2											✓		
19	375			0	✓ 2													
20																		
21																		
22																		
23																		
24																		

Comments: Niskin vents on bottles 1 - 6 went down open.

SHIP: V870h

ENTERED BY: ET

CHECKED BY:

Bottom Depth: 223

Cast # down: 84

Cast # up:

Time LOC UTC

Begin: 18:08

Bottom: 18:14

End:

START POSITION (GPS)

LAT: 48 28.268

LONG: 124 32.764

BOTTOM POSITION (GPS)

LAT: 48 28.268

LONG: 124 32.776

END POSITION (GPS)

LAT: 48 28.248

LONG: 124 32.898

ROSETTE LOG

MISSION ID: 2006-11 STATION: 74 CAST NUMBER: 85 UTC DATE (dd/mm/yyyy): 20/04/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	HPIC	CDOM	SPEC	SPH		
1	376			30	31.1							✓✓						
2	377			20	20.8							✓✓						
3	378			20	20.5												✓✓	
4	379			10	10.5							✓✓	✓✓	✓				
5	380			10	10.1												✓✓	
6	381			5	4.8							✓✓						
7	382			0	2.1							✓✓	✓✓	✓	✓			
8	383			0	2.2												✓✓	
9	384			0	2.1													
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VEC TUN
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 85
Cast # up:

Time	LOC	UTC
Begin:		19:29
Bottom:		19:34
End:		19:43

START POSITION (GPS)
LAT: 48 25 102
LONG: 124 35 608

BOTTOM POSITION (GPS)
LAT: 48 25.080
LONG: 124 35.54

END POSITION (GPS)
LAT: 48 25.067
LONG: 124 35.879

ROSETTE LOG

MISSION ID: 2006-11 STATION: 59 CAST NUMBER: 88 UTC DATE (dd/mm/yyyy): 21/04/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TEO	HPC	CH						
1	385	1270	5.191	Bot-8	✓ 228	✓	✓	✓										
2	386	1479	5.392	200	✓ 200			✓	✓									
3	387	1481	5.319	175	✓ 175			✓	✓									
4	388	1482	5.479	150	✓ 153			✓	✓		✓							
5	389	1483	5.505	125	✓ 125			✓	✓									
6	390	1484	5.573	100	✓ 100			✓	✓	✓								
7	391	1485	5.589	75	✓ 75			✓	✓	✓								
8	392	1342	5.592	50	✓ 50			✓	✓	✓								
9	393	1284	5.594	40	✓ 40			✓	✓				✓	✓				
10	394	1295	5.600	30	✓ 30			✓	✓	✓				✓	✓			
11	395		-	20	✓ 20													
12	396	1332	5.694	20	✓ 20			✓	✓	✓	✓			✓				
13	397		-	10	✓ 10													
14	398	1465	5.834	10	✓ 10			✓	✓	✓	✓	✓		✓				
15	399		-	5	✓ 5													
16	400	1336	5.814	5	✓ 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
17	401		-	0	✓ 2													
18	402	1476	5.827	0	✓ 2			✓	✓	✓	✓	✓	✓	✓	✓			
19																		
20																		
21																		
22																		
23																		
24																		

Comments: oxygen depth for sample 385 recorded as 2228

SHIP: VEC70R
ENTERED BY: 87
CHECKED BY:

Bottom Depth: 233

Cast # down: 88
Cast # up:

Time	LOC	UTC
Begin:		03:38
Bottom:		03:44
End:		04:01

START POSITION (GPS)
LAT: 48 37.844
LONG: 123 14.635

BOTTOM POSITION (GPS)
LAT: 48 37.865
LONG: 123 14.532

END POSITION (GPS)
LAT: 48 38.052
LONG: 123 14.230

Event #	Station Name	Start Time	Lat	Long	Comments on Event #s & Station Names	Sample # in rosette log	Sample # in Daily Log	sample comments
2	SI	15/04/2006 2:47	48.6458	-123.4962	Rosette log says event #1 #1 was downcast / #2 was upcast	1-8	1-8	
✓5	19	15/04/2006 17:45	50.0208	-124.8822		9-13	n/a	
→✓7	18	15/04/2006 19:22	49.9863	-124.9830	no event # rosette log	14-20	14-20	
✓9	17	15/04/2006 20:42	49.9788	-125.0717	no event # rosette log	21-27	21-27	
✓14	2	17/04/2006 7:53	49.4013	-124.1547		28-47	28-47	
✓17	3	17/04/2006 11:31	49.4433	-124.3380		48-63	n/a	
✓19	6	17/04/2006 13:58	49.5102	-124.4650		64-81	64-81	
✓22	9	17/04/2006 17:16	49.5917	-124.6377		82-97	82-97	
✓24	10	17/04/2006 19:01	49.6760	-124.7878	no event # rosette log	98-102	n/a	
✓26	11	17/04/2006 19:57	49.7073	-124.7257	no event # rosette log	103-107	103-107	107 shallow optical sampling only; CHL looks ok
28	12	17/04/2006 21:00	49.7267	-124.6802		107-126	108-127	107 deep sal/DO/nuts; sal and DO look ok. Appears sample #127 not used
31	27	18/04/2006 3:46	49.3200	-123.8020		128-148	128-148	
35	39	18/04/2006 8:47	49.1635	-123.5530		149-166	149-165	
39	42	18/04/2006 13:25	49.0313	-123.4368		167-184	167-184	184 no sampling according to rosette log
41	39	18/04/2006 16:02	49.1652	-123.5485		9184,185-191	9184,185-191	9184 optical sampling only
✓43	42	18/04/2006 17:42	49.0312	-123.4378		192-199	192-199	
✓45	46	18/04/2006 19:55	48.8577	-123.1803		200-216	200-216	
49	56	19/04/2006 5:17	48.7765	-123.0207		217-235	217-235	
✓60	62	19/04/2006 17:10	48.3802	-123.0443	given as event #62 rosette log	236-250	236-250	
✓62	63	19/04/2006 19:01	48.2442	-122.9762	no event # rosette log	251-259	n/a	259? Surface - Only for SPM this cast
✓65	65	19/04/2006 20:52	48.2650	-123.1615		259-274	n/a	259 deep Sal DO NUTS looks ok
67	66	19/04/2006 22:05	48.3217	-123.2362	no event # rosette log	275-283	n/a	
71	ADCP	20/04/2006 0:27	48.2347	-123.2988		284-297	284-297	
74	69	20/04/2006 4:10	48.2593	-123.7193		298-313	298-313	
77	72	20/04/2006 7:56	48.3103	-124.0632		314-330	314-330	
80	102	20/04/2006 14:30	48.4990	-124.7335		331-348	331-348	
82	76	20/04/2006 17:07	48.5230	-124.5035		349-356	349-356	
84	75	20/04/2006 18:08	48.4710	-124.5462		357-375	357-375	
85	74	20/04/2006 19:29	48.4183	-124.5935		376-384	376-384	
88	59	21/04/2006 3:38	48.6307	-123.2440		385-402	385-402	
					General Conclusions:			
					The Daily Log Book has an accurate records of station names and event #s			
					The Rosette Log sheets has an accurate record of the sampling			