

ROSETTE LOG

MISSION ID: 2006-29 STATION: 59 CAST NUMBER: 1 Should be 2 UTC DATE (dd/mm/yyyy): 12/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	ST20	CL3	DOPT					
							OXY		U+4	CHL	ALK	NPIC	CHP					
1	1	-	-	DOT	✓													
2	2	1347	3.016	200	✓	X												
3	3	-	-	175	✓													
4	4	1351	3.239	150	✓								✓					
5	5	1353	3.381	125	✓													
6	6	1354	3.382	100	✓					✓								
7	7	1356	3.354	75	✓					✓								
8	8	1358	3.457	50	✓													
9	9	1360	3.632	40	✓					✓								
10	10	1361	3.586	30	✓					✓								
11	11	1362	3.614	20	✓					✓			✓					
12	12	1364	3.648	10	✓					✓		✓	✓					ONLY 1 >20
13	13	1368	3.803	5	✓					✓		✓	✓					
14	14	1363	3.721	0	✓					✓		✓	✓	✓				No CDM sample, out of water
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: AD
CHECKED BY: KQ

Bottom Depth: 213

Cast # down: 2
Cast # up: 2

Time	LOC	UTC
Begin:	2:32	
Bottom:	2:37	
End:	2:48	

START POSITION (GPS)
LAT: 48 37 802
LONG: 123 14 820

BOTTOM POSITION (GPS)
LAT: 48 37 804
LONG: 123 14 826

END POSITION (GPS)
LAT: 48 37 814
LONG: 123 14 899

Comments: Bot #1 empty Bottle #3 didn't fire
bgm 2001 rosette.xls

ROSETTE LOG

MISSION ID: 2006-29 STATION: ADCP CAST NUMBER: 7 UTC DATE (dd/mm/yyyy): 12/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	SF20	CH3	COOH					
							OXY		NH4	CHL	ALK	TPIC	CHL	PHYTO				
1	15	1156	2.420	100	✓	✓							✓					
2	16	1256	2.280	75	✓													
3	17	1267	2.818	50	✓													
4	18	1268	3.104	40	✓													
5	19	1272	3.303	30	✓													
6	20	1273	3.648	20	✓													
7	21	1274	3.585	10	✓													
8	22	1276	3.760	5	✓													
9	23	1278	3.758		✓													
10	24	1300	3.897	SUR	✓													Flakes in O2
11																		
12																		
13																		
14																		
15																		
16																		
17																		
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19																		
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22																		
23																		
24																		

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 121

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:

SAMPLES labelled 34-44 Not 25-26 so 34 Run as Niskin #1 called 25

Also only 11 O2 Samples Not 12

ROSETTE LOG

MISSION ID: 2006-29

STATION: 69

CAST NUMBER: 8

UTC DATE (dd/mm/yyyy):

12/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	CH2O	CH3	CO2	CHL	CHL	CHL	CHL	CHL	
34	1	25	1301	1.44	Bot	✓	175											very cloudy
35	2	26	1302	1.835	150	✓	150	✓										very cloudy
36	3	27	1305	1.506	125	✓	125											added extra acid
37	4	28	1306	1.867	100	✓	100											"
38	5	29	1307	2.006	75	✓	75											"
39	6	30	1309	2.450	50	✓	50											"
40	7	31	1310	2.743	40	✓	40											"
41	8	32	1311	2.926	30	✓	30											"
42	9	33	1313	3.322	20	✓	20											"
43	10	34	1314	3.316	10	✓	10											"
44	11	35	1315	4.635	5	✓	5											"
45	12	36	—	—	surf	✓	5											"
	13																	
	14																	
	15																	
	16																	
	17																	
	18																	
	19																	
	20																	
	21																	
	22																	
	23																	
	24																	

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth:

to get rid of cloudy

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		940
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 15 736
LONG: 123 43 201

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: Note 37-44 are also s/n 72 numbers

ROSETTE LOG

MISSION ID: 2006-29 STATION: 72 CAST NUMBER: 11 UTC DATE (dd/mm/yyyy): 12 Sept 2006

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	SF20	C13	LOOH					
							OXY		NH4	CHL	ALK	HPLC	CHL	bio				
1	37	1366	1.297	bot	✓													
2	38	1347	1.258	175	✓	✓							✓					
3	39	1349	1.367	150	✓													flakes
4	40	1351	1.270	125	✓					✓								
5	41	1353	1.478	100	✓					✓								
6	42	1354	2.126	75	✓					✓								flakes
7	43	1356	2.561	50	✓					✓								
8	44	1358	3.302	40	✓					✓								
* 9	45	1360	3.181	30	✓					✓	✓		✓					
10	46	1361	3.489	20	✓					✓	✓		✓	✓				
11	47	1362	3.745	10	✓					✓	✓	✓	✓	✓				
12	48	1364	3.966	5	✓					✓	✓	✓	✓	✓	✓			
13	49	1368	3.996	surf	✓					✓	✓	✓	✓	✓	✓			
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: JH
CHECKED BY: JH

Bottom Depth: 181

Cast # down: 11
Cast # up: 11

Time	LOC	UTC
Begin:	4320	
Bottom:	1328	
End:	1341	

START POSITION (GPS)
LAT: 48 18 904
LONG: 124 3 808

BOTTOM POSITION (GPS)
LAT: 48 18 821
LONG: 124 3 883

END POSITION (GPS)
LAT: 48 18 755
LONG: 124 3 961

Comments: NOTE: SOME NUMBERS (37-44) were also station 69 numbers

ROSETTE LOG

MISSION ID: 2006-29 STATION: 75 CAST NUMBER: 12 UTC DATE (dd/mm/yyyy): 12 Sept 2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	SF20	CP3	CDOP					
						OXY		W4	L4	AEK	WLC	CHL						
1	50	1363	1.314	207	✓	217												
2	51	1367	1.225	200	✓		✓											
3	52	1371	1.129	175	✓			✓	✓									
4	53	1373	1.240	150	✓								✓	✓				
5	54	1375	1.488	125	✓													
6	55	1374	1.704	100	✓				✓	✓								
7	56	1338	2.162	75	✓				✓									
8	57	1376	2.254	50	✓				✓									
9	58	1380	2.568	40	✓				✓									
10	59	1381	3.276	30	✓				✓	✓		✓	✓					
11	60	1375	3.451	20	✓				✓	✓	✓	✓	✓	✓				
12	61	1461	3.892	10	✓				✓	✓		✓	✓	✓				
13	62	1326	4.197	5	✓				✓	✓		✓	✓	✓				
14	63	1434	4.164	surf	✓			✓	✓	✓	✓	✓	✓	✓				
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:	1	1613
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 28 151
LONG: 124 32 753

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2006-29 STATION: 102 CAST NUMBER: 15 UTC DATE (dd/mm/yyyy): 12 Sept 06

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	SE	C13	CD					
						OXY		NH4	CH4	ALK	H2S	GWL	PHYTO					
1	64	1393	2.1659	307	✓ 245													did not completely titrate triggered test when same depth = duplicates
2	65	708	1.1197	250	✓ 245													
3	66	657	1.317	200	✓													
4	67	715	1.326	175	✓													
5	68	709	1.520	150	✓								✓					
6	69	1486	1.1476	125	✓			✓										
7	70	1105	1.595	100	✓			✓										
8	71	1130	2.1399	75	✓			✓										
9	72	1110	2.541	50	✓			✓										
10	73	1134	2.684	40	✓					✓								
11	74	1126	3.072	30	✓			✓	✓									
12	75	1142	3.930	20	✓			✓	✓		✓		✓					
13	76	1158	3.880	10	✓			✓	✓	✓	✓		✓					
14	77	1136	3.938	5	✓			✓	✓		✓		✓					
15	78	1138	4.804	0	✓ 1.2			✓	✓	✓	✓	✓	✓	✓	✓			
16																		
17																		
18																		
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23																		
24																		

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 245

Cast # down: 15
Cast # up: 15

Time	LOC	UTC
Begin:	18 53	
Bottom:	18 59	
End:	19 09	

START POSITION (GPS)
LAT: 48 30 16.1
LONG: 124 44 21.0

BOTTOM POSITION (GPS)
LAT: 48 30 22.7
LONG: 124 44 27.3

END POSITION (GPS)
LAT: 48 30 33.0
LONG: 124 44 38.6

ROSETTE LOG

MISSION ID: 2006-29 STATION: 73 CAST NUMBER: 20 RAD (19CTD) UTC DATE (dd/mm/yyyy): 13/09/06

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
							OXY			ALK		CHL	CH	HA		
1	978			10	✓							✓	✓	✓		
2	979			0	✓							✓	✓	✓		
3																
4																
5																
6																
7																
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24																

SHIP: Victor
ENTERED BY:
CHECKED BY:

Bottom Depth: 157

Cast # down: 20
Cast # up:

Time LOC UTC
Begin:
Bottom:
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2006-29 STATION: 65 CAST NUMBER: 23 UTC DATE (dd/mm/yyyy): 13/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken											
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	NA	TCO	ALK	C13	CHL	SF	CDOM		
1	79	1135	2.710	bottom	✓ 117			X	XX	XY						X	
2	80	1128	2.908	100	✓	X	X	XX	XXX								
3	81	1146	2.844	75	✓		X			XX							
4	82	1386	3.145	50	✓					XX							
5	83	1389	3.160	40	✓							XX					
6	84	1176	3.475	30	✓					XX		XX					
7	85	1175	3.762	20	✓					XX		XX	XX	XX	X		
8	86	1391	4.236	10	✓					XX		XX	XX	XX	X		
9	87	1391	4.173	5	✓					XX		XX		XX	X		
10	88	1385	-	0	✓		X	XX	XX			XX	XX	XX	XX		
11																	
12																	
13																	
14																	
15																	
16																	
17																	
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21																	
22																	
23																	
24																	

SHIP: VETOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 122

Cast # down: 23
Cast # up: 23

Time	LOC	UTC
Begin:		0650
Bottom:		0659
End:		0659

START POSITION (GPS)
LAT: 48 15 986
LONG: 123 09 803

BOTTOM POSITION (GPS)
LAT: 48 15.982
LONG: 123 09.803

END POSITION (GPS)
LAT: 48 15.926
LONG: 123 09.830

Comments:

ROSETTE LOG

MISSION ID: 2006-29 STATION: 62 CAST NUMBER: 27 UTC DATE (dd/mm/yyyy): 13/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	STAD	GH3						
						OXY			NH4	CHL	ALK	PHL	CHL	CD	CA			
1	89	1366	2.309	80T	✓	140	✓								✓			
2	90	1347	2.258	125	✓													
3	91	1349	3.092	100	✓	✓												
4	92	1351	3.622	75	✓													
5	93	1353	3.913	50	✓													
6	94	1354	3.865	40	✓													
7	95	1356	3.637	30	✓													
8	96	1358	3.755	20	✓													no NH4 sample
9	97	1360	3.838	10	✓													no NH4 sample
10	98	1361	3.934	5	✓													
11	99	1362	4.083	surf	✓													
12																		
13																		
14																		
15																		
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19																		
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SHIP: Vector
ENTERED BY: [signature]
CHECKED BY: [signature]

Bottom Depth: 145

Cast # down: 27
Cast # up: 27

Time	LOC	UTC
Begin:	12 19	
Bottom:	12 23	
End:	12 31	

START POSITION (GPS)
LAT: 48 22 8.58
LONG: 123 2 605

BOTTOM POSITION (GPS)
LAT: 48 22 898
LONG: 123 2 614

END POSITION (GPS)
LAT: 48 22 973
LONG: 123 2 604

Comments:

ROSETTE LOG

MISSION ID: 2006-29 STATION: 56 CAST NUMBER: 32 UTC DATE (dd/mm/yyyy): 13/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	NH4	NO3		CI3		SF>20		CDOM		
						OXY				CHL	ALK		PH		HPLC			
1	100	1188	3.824	bottom	✓	207												
2	101	1256	3.395	200	✓		X											
3	102	1267	3.254	175	✓													
4	103	1268	3.476	150	✓											X		
5	104	1272	3.550	125	✓													
6	105	1273	3.617	100	✓				XX									
7	106	1274	3.672	75	✓				XX									
8	107	1276	3.824	50	✓				XX									
9	108	1278	3.737	40	✓				XX	XX								
10	109	1300	3.982	30	✓				XX	XX						XX	X	
11	110	1301	3.987	20	✓				XX	XX				XX	XX	X		
12	111	1302	4.038	10	✓				XX	XX					XX	XX		
13	112	1305	3.964	5	✓				XX	XX						XX	XX	
14	113	1306	4.010	surf.	✓			↓	↓	XX	XX			XX	XX	X		two bottles fired @ surface
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Samples #114 & 115 were not used (Numbers were skipped by mistake) AP

SHIP:
ENTERED BY: Vector
CHECKED BY:

Bottom Depth: 212

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1814
Bottom:		1820
End:		

START POSITION (GPS)
LAT: 48 46 42
LONG: 123 01 518

BOTTOM POSITION (GPS)
LAT: 48 46 40
LONG: 123 01 438

END POSITION (GPS)
LAT: 48 46
LONG: 123 01

ROSETTE LOG

MISSION ID: 2006-29 STATION: 57 CAST NUMBER: 33 UTC DATE (dd/mm/yyyy): 13/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL	HR	CO				
1	9116			5m	✓								XX	XX	X			
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
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24																		

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 162

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2120
Bottom:		2125
End:		2130

START POSITION (GPS)
LAT: 48 44.023
LONG: 123 8.162

BOTTOM POSITION (GPS)
LAT: 48 44.022
LONG: 123 8.209

END POSITION (GPS)
LAT: 48 44.016
LONG: 123 8.287

ROSETTE LOG

MISSION ID: 2006-29 STATION: 47 CAST NUMBER: 36 UTC DATE (dd/mm/yyyy): 13/09/2006

				ROSETTE OPERATION		Samples taken											
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13					
							OXY				ALK		CHL	HPLC	CDOM		
1	8116			5	✓									xx	xx	x	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
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23																	
24																	

SHIP: VECTOR
ENTERED BY: JH
CHECKED BY: LA

Bottom Depth: 187

Cast # down: 36/37
Cast # up:

Time	LOC	UTC
Begin:	23.24	
Bottom:	23.29	
End:	23.35	

START POSITION (GPS)
LAT: 48 49 30.6
LONG: 123 6 16.9

BOTTOM POSITION (GPS)
LAT: 48 49 31.3
LONG: 123 6 14.6

END POSITION (GPS)
LAT: 48 49 29.7
LONG: 123 6 12.4

Comments:

ROSETTE LOG

MISSION ID: 2006-29 STATION: 46 CAST NUMBER: 42 UTC DATE (dd/mm/yyyy): 14/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	STO	CH3	CD0					
							OXY		NH4	CHL	ALK	HPLC	CHL	PH70				
1	116	1366	3.608	Bot	✓ 173								✓✓					
2	117	1347	3.345	150	✓	✓												
3	118	1349	3.516	125	✓								✓✓					
4	119	1351	3.672	100	✓								✓✓					
5	120	1353	3.779	75	✓								✓✓					
6	121	1354	3.828	50	✓						✓✓							
7	122	1356	3.864	40	✓													
8	123	1358	3.755	30	✓					✓✓	✓✓							
9	124	1360	4.077	20	✓					✓✓	✓✓	✓✓	✓✓	✓				
10	125	1361	5.381	10	✓					✓✓	✓✓		✓✓	✓				
11	126	1362	6.140	5	✓					✓✓	✓✓		✓✓	✓				
12	127	1368	6.545	surf	✓			✓	✓✓	✓✓	✓✓	✓✓	✓	✓✓				
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		413
Bottom:		419
End:		434

START POSITION (GPS)
LAT: 48 51 386
LONG: 123 10 776

BOTTOM POSITION (GPS)
LAT: 48 51 382
LONG: 123 10 627

END POSITION (GPS)
LAT: 48 51 268
LONG: 123 10 199

ROSETTE LOG

MISSION ID: 2006-29 STATION: 42 CAST NUMBER: 44 UTC DATE (dd/mm/yyyy): 14/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		NO ₃	SF20	CH ₄	CDOM					
						OXY			NH ₄	Chl	HA	HPLC	CHL	Phyto				
1	128	708	3.121	Bot	✓	319			x/2									
2	129	1393	3.163	300	✓	300	x											
3	130	657	2.943	250	✓	250												
4	131	715	3.091	200	✓	200												
5	132	1486	3.461	175	✓	175												
6	133	1386	3.077	150	✓	150							x					
7	134	1142	3.155	125	✓	125												
8	135	1126	3.475	100	✓	100				xx								
9	136	1134	3.581	75	✓	75				xx								
10	137	1110	3.548	50	✓	50				xx								
11	138	1130	3.616	40	✓	40					xx							
12	139	1105	3.818	30	✓	30				xy	xx							
13	140	1135	4.151	20	✓	20				xy	xx		xx	xx				
14	141	1136	5.952	10	✓	10				xx	xx	xx	xx	x				
15	142	1138	6.341	5	✓	5				xx	xx		xx	x				
16	143	1128	6.485	SURF	✓	1.7		✓	✓	xx	xx	xx	xx	x	xx			
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: SFM
CHECKED BY:

Bottom Depth: 319

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		0731
End:		0742

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 49 1.711
LONG: 123 26.125

END POSITION (GPS)
LAT: 49 1.529
LONG: 123 26.203

Comments:

ROSETTE LOG

MISSION ID: 2006-29 STATION: 39 CAST NUMBER: 48 UTC DATE (dd/mm/yyyy): 14/9/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	HH4	Chl	SE20	CDOM						
1	144	1158	2.962	Bot	✓			XX										
2	145	727	2.783	350	✓	x												
3	146	1146	2.949	300	✓													
4	147	1176	2.898	250	✓													
5	148	1389	2.990	200	✓													
6	149	1175	3.059	175	✓													
7	150	1397	3.041	150	✓								x					
8	151	1391	3.184	125	✓													
9	152	1385	3.095	100	✓					XX								
10	153	1394	3.304	75	✓					XX								
11	154	1362	3.692	50	✓					XX								
12	155	1368	3.480	40	✓						XX							
13	156	1364	3.491	30	✓					XX	XX							
14	157	1363	3.587	20	✓					XX	XX		XX	x				
15	158	1367	5.329	10	✓					XX	XX	XX	XX	x				
16	159	1371	6.571	5	✓					XX	XX		XX	XX				
17	160	1373	6.540	SURF	✓			↓	↓	XX	XX	XX	XX	x				NISKIN did NOT trip
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY:
CHECKED BY: JD

Bottom Depth: 368

Cast # down: 48
Cast # up:

Time LOC UTC
Begin: 1205
Bottom: 1215
End: 1228

START POSITION (GPS)
LAT: 49 97.6
LONG: 123 32 941

BOTTOM POSITION (GPS)
LAT: 49 9 964
LONG: 123 32 730

END POSITION (GPS)
LAT: 49 9 518
LONG: 123 32 360

Comments: BOT 17 didn't trigger - filled bottle with surface seawater

ROSETTE LOG

MISSION ID: STATION: 27 CAST NUMBER: 51 UTC DATE (dd/mm/yyyy): 14/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	GF20	GL3	CO2	PH2O				
							OXY		NH4	CHL	ATK	HPLC	CHL					
1	161	1188	2.969	120	✓	340												
2	162	1250	2.910	300	✓	360	✓											
3	163	1267	3.179	250	✓	250												
4	164	1268	3.010	200	✓	200												
5	165	1272	3.016	175	✓	175												
6	166	1273	3.183	150	✓	150							✓					
7	167	1274	3.676	125	✓	125												
8	168	1276	3.055	100	✓					vv								
9	169	1276	3.626	75	✓					vv								
10	170	1300	3.473	50	✓					vv								
11	171	1301	3.442	40	✓					vv	vv							
12	172	1302	3.568	30	✓					vv	vv		vv	vv				
13	173	1305	3.671	20	✓					vv	vv	vv	vv	vv				
14	174	1306	4.910	10	✓					vv	vv	vv	vv	vv	✓			
15	175	1307	5.683	5	✓					vv	vv	vv	vv	vv	✓	vv		
16	176	1309	5.703	surf					✓	vv	vv	vv	vv	vv	✓	vv		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 345

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1604
Bottom:		1612
End:		1629

START POSITION (GPS)
LAT: 49 19 116
LONG: 123 48 094

BOTTOM POSITION (GPS)
LAT: 49 19 139
LONG: 123 48 091

END POSITION (GPS)
LAT: 49 19 164
LONG: 123 48 053

Comments: trigger 2 DO HPLC at surface - BOT 17

ROSETTE LOG

MISSION ID: 2006-29 STATION: 28 CAST NUMBER: 53 UTC DATE (dd/mm/yyyy): 14/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	HPG	CDOM			
1	9117			5 M	✓								XX	XX	X			
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1729
Bottom:		1733
End:		1737

START POSITION (GPS)
LAT: 49 24 124
LONG: 12 34 5 334

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2006-29

STATION: 2

CAST NUMBER: 55

UTC DATE (dd/mm/yyyy): 14/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	CHL	ALK	C13	CHL	PH			
1	177	1188	2.888	80T	✓ 275													
2	178	1256	2.956	250	✓ 250	✓												
3	179	1267	2.967	200	✓ 200													
4	180	1268	3.290	175	✓ 175													
5	181	1272	3.090	150	✓ 150													
6	182	1273	3.195	125	✓ 125													
7	183	1274	3.237	100	✓ 100													
8	184	1278	3.137	75	✓ 75													
9	185	1278	3.506	50	✓ 50													
10	186	1300	3.503	40	✓ 40													
11	187	1301	3.468	30	✓ 30													
12	188	1302	3.729	20	✓ 20													
13	189	1305	6.282	10	✓ 10													
14	190	1306	6.289	5	✓ 5													
15	191	1307	6.563	surf	✓ 1.8													
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY: SM
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1946
Bottom:		1950
End:		2005

START POSITION (GPS)
LAT: 49 24.175
LONG: 124 9.329

BOTTOM POSITION (GPS)
LAT: 49 24.203
LONG: 124 9.322

END POSITION (GPS)
LAT: 49 24.322
LONG: 124 9.216

ROSETTE LOG

MISSION ID: 2006-29

STATION: 4

CAST NUMBER: 58

UTC DATE (dd/mm/yyyy): 14/09/2006

				ROSETTE OPERATION		Samples taken												
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CHL	HPL	CDM		
							OXY				ALK							
21	9192			5	✓ 5									XY	XY	X		
1	2	9193		bottom														bottle fixed, so took a salinity
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 345

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2223
Bottom:		2236
End:		2241

START POSITION (GPS)
LAT: 49 24.497
LONG: 124 22.034

BOTTOM POSITION (GPS)
LAT: 49 24.497
LONG: 124 21.932

END POSITION (GPS)
LAT: 49 24.515
LONG: 124 21.904

Comments:

ROSETTE LOG

MISSION ID: 2006-29 STATION: 3 CAST NUMBER: 60 UTC DATE (dd/mm/yyyy): 13/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	SF720	CH3	CDOM					
										NH4	CHI	ALK	HPLC	CHL				
1	192	1309	2.841	bottom	✓			x	xx									
2	193	1216	2.919	300	✓	x			xx									
3	194	1311	2.817	250	✓			↓	xx									
4	195	1313	2.737	200	✓				xx									
5	196	1314	2.841	175	✓				xx									
6	197	1315	3.227	150	✓				xx				x					
7	198	1318	3.100	125	✓				xx									
8	199	1319	2.954	100	✓				xx	xx								
9	200	1321	3.189	75	✓				xx	xx								
10	201	1322	3.351	50	✓				xx	xx								
11	202	1323	3.441	40	✓				xx		xx							
12	203	1146	3.406	30	✓				xx	xx	xx							
13	204	1324	3.645	20	✓				xx	xx	xx		xx	x				
14	205	1325	5.688	10	✓				xx	xx	xx	xx	xx	x				
15	206	1424	6.588	5	✓				xx	xx	xx		xx	x				
16	207	1176	6.685	surf	✓			↓	xx	xx	xx	xx	xx	x				
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 315

Cast # down: 60
Cast # up: 60

Time	LOC	UTC
Begin:	23 28	
Bottom:	23 36	
End:	23 58	

START POSITION (GPS)
LAT: 49 26 621
LONG: 124 20 219

BOTTOM POSITION (GPS)
LAT: 49 29 644
LONG: 124 20 290

END POSITION (GPS)
LAT: 49 26 719
LONG: 124 20 532

Comments:

ROSETTE LOG

MISSION ID: 2006-29 STATION: 6 CAST NUMBER: 62 UTC DATE (dd/mm/yyyy): 15/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	SF20	C13	CDOH					
						OXY		NH4	CHL	ALK	HPLE	GHL						
1	208	1317	2.676	BOT	✓													
2	209	1389	2.778	175	✓	✓							✓✓					
3	210	1397	2.955	150	✓													
4	211	1391	2.946	125	✓			✓✓										
5	212	1158	2.955	100	✓			✓✓										
6	213	1385	3.168	75	✓			✓✓										
7	214	1394	3.345	50	✓					✓✓								
8	215	1362	3.508	40	✓			✓✓	✓✓									
9	216	1368	3.648	30	✓			✓✓	✓✓		✓✓	✓✓	✓					
10	217	1364	4.114	20	✓			✓✓	✓✓	✓✓	✓✓	✓✓	✓					
11	218	1363	6.158	10	✓			✓✓	✓✓		✓✓	✓✓	✓					
12	219	1367	7.142	5	✓			✓✓	✓✓	✓✓	✓✓	✓✓	✓					
13	220	1371	7.240	surf	✓			✓✓	✓✓	✓✓	✓✓	✓✓	✓					
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: 71
CHECKED BY: 71

Bottom Depth: 188

Cast # down: 62
Cast # up: 62

Time	LOC	UTC
Begin:	144	
Bottom:	149	
End:	205	

START POSITION (GPS)
LAT: 49 30 640
LONG: 124 27 787

BOTTOM POSITION (GPS)
LAT: 49 30 654
LONG: 124 27 832

END POSITION (GPS)
LAT: 49 30 635
LONG: 124 24 224

Comments:

ROSETTE LOG

MISSION ID: 2006-29 STATION: 9 CAST NUMBER: 65 UTC DATE (dd/mm/yyyy): 15/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	STO	GH3	ESD					
							OXY		NH4	CHL	ATC	HOL	CHL					
1	221	1188	2.460	BOT	✓ 1.64								✓✓					
2	222	1256	2.684	150	✓	✓			✓✓									
3	223	1267	2.652	125	✓				✓✓									
4	224	1268	3.092	100	✓				✓✓									
5	225	1272	3.307	75	✓				✓✓									
6	226	1273	3.593	50	✓				✓✓									
7	227	1274	3.653	40	✓				✓✓	✓✓								
8	228	1276	3.773	30	✓				✓✓	✓✓		✓✓	✓					
9	229	1278	5.018	20	✓				✓✓	✓✓	✓✓	✓✓	✓					
10	230	1306	5.253	10	✓				✓✓	✓✓	✓✓	✓✓	✓					
11	231	1301	6.893	5	✓				✓✓	✓✓	✓✓	✓✓	✓					
12	232	1302	6.550	surf	✓				✓✓	✓✓	✓✓	✓✓	✓					
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0503
Bottom:		0507
End:		0521

START POSITION (GPS)

LAT: 49 35 482

LONG: 124 38 285

BOTTOM POSITION (GPS)

LAT: 49 35 425

LONG: 124 38 212

END POSITION (GPS)

LAT: 49 35 332

LONG: 124 38 000

Comments:

ROSETTE LOG

MISSION ID: 2006-29 STATION: 12 CAST NUMBER: 68 UTC DATE (dd/mm/yyyy): 15/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	SF20	CI2	CDOM					
							OXY		NH4	CHL	ALK	HPIC	CHL					
1	233	1322	3.058	Bot	✓ 353													
2	234	1397	2.943	300	✓ 300													
3	235	1158	3.019	250	✓	✓												
4	236	1317	3.084	200	✓													
5	237	1389	3.045	175	✓													
6	238	1391	2.897	150	✓								✓					
7	239	1374	2.890	125	✓			✓✓										
8	240	1394	3.181	100	✓			✓✓										
9	241	1362	3.176	75	✓			✓✓										
10	242	1368	3.697	50	✓			✓✓										
11	243	1364	3.893	40	✓					✓✓								
12	244	1363	3.849	30	✓					✓✓	✓✓							
13	245	1367	5.304	20	✓					✓✓	✓✓	✓✓	✓					
14	246	1371	4.218	10	✓					✓✓	✓✓	✓✓	✓					
15	247	1373	4.972	5	✓					✓✓	✓✓		✓✓	✓✓				
16	248	1175	5.127	0	✓			✓	✓✓	✓✓	✓✓	✓✓	✓					
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY: SPH
CHECKED BY:

Bottom Depth: 353

Cast # down: 68
Cast # up:

Time	LOC	UTC
Begin:		0735
Bottom:		0744
End:		NA

START POSITION (GPS)
LAT: 49 43.547
LONG: 124 40.651

BOTTOM POSITION (GPS)
LAT: 49 43.524
LONG: 124 40.651

END POSITION (GPS)
LAT: NA
LONG:

Comments: NOTE numbers on samples are wrong # are from SON 14 249-264

ROSETTE LOG

MISSION ID: 2006-29

STATION: 14

CAST NUMBER: 70

UTC DATE (dd/mm/yyyy):

15/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TOC	STO	CHL	ALK	HPLC	CDOM	Chl	Phyto	
1	249	1188	2.946	Bot	✓ 312			XX										
2	250	1256	2.835	300	✓ 300	X		XX										
3	251	1267	2.893	250	✓ 250													
4	252	1268	2.935	200	✓ 200													
5	253	1272	3.220	175	✓ 175													
6	254	1273	2.957	150	✓ 150										X			
7	255	1274	2.933	125	✓ 125													
8	256	1276	2.894	100	✓ 100					XX								
9	257	1278	3.124	75	✓ 75					XX								
10	258	1300	3.679	50	✓ 50					XX								
11	259	1301	3.779	40	✓ 40					XX	XX							
12	260	1302	3.828	30	✓ 30					XX	XX				XX	XX		
13	261	1305	3.964	20	✓ 20					XX	XX				XX	X		
14	262	1306	5.960	10	✓ 10					XX	XX				XX	X		
15	263	1307	6.173	5	✓ 5					XX	XX				XX	X		
16	264	1309	6.441	Surf	✓ 1.4			✓	✓	XX	XX	XX	XX	X	XX	X		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector

ENTERED BY: 119

CHECKED BY:

Bottom Depth: 316

Cast # down: 70

Cast # up: 70

Time LOC UTC

Begin: 10 21

Bottom: 10 28

End: 10 41

START POSITION (GPS)

LAT: 49 53 040

LONG: 124 59 716

BOTTOM POSITION (GPS)

LAT: 49 53 093

LONG: 124 59 732

END POSITION (GPS)

LAT: 49 53 116

LONG: 124 59 700

Comments:

ROSETTE LOG

MISSION ID: 2006-29 STATION: 16 CAST NUMBER: 73 UTC DATE (dd/mm/yyyy): 15/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TEO	SF76	C13						
							OXY		NH4	CHL	ALK	APLC	CHL					
1	265	1310	2.907	bottom	✓			X	XX									XX
2	266	1311	2.952	125	✓			X	XY									
3	267	1313	2.889	100	✓			X	XX	XX								
4	268	1314	3.182	75	✓			XY		XY								
5	269	1315	3.400	50	✓					XY								
6	270	1146	3.399	40	✓					XX								
7	271	1318	3.846	30	✓					XX	XY		XY				X	
8	272	1323	4.765	20	✓					XY	XY		XY				X	
9	273	1319	4.1435	10	✓					XY	XX	XY	XY				X	
10	274	1321	5.211	5	✓			X		XY	XY		XY				X	
11	275	1324	6.296	surf	✓			X		XY	XY	XX	XY				X	
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 149

Cast # down: 73
Cast # up: 7

Time	LOC	UTC
Begin:	13 50	
Bottom:	13 54	
End:	14 05	

START POSITION (GPS)
LAT: 49 57 655
LONG: 125 8 808

BOTTOM POSITION (GPS)
LAT: 49 57 641
LONG: 125 8 803

END POSITION (GPS)
LAT: 49 57 610
LONG: 125 4 322

ROSETTE LOG

MISSION ID: 2006-29 STATION: 19 CAST NUMBER: 76 UTC DATE (dd/mm/yyyy): 15/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	276			5	✓ 5													
2				5	✓ 5													
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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16																		
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22																		
23																		
24																		

Comments: 2 samples taken (one as backup) for radiometer

SHIP: vector
 ENTERED BY:
 CHECKED BY:

Bottom Depth:

Cast # down:
 Cast # up:

Time	LOC	UTC
Begin:		1605
Bottom:		1617
End:		1619

START POSITION (GPS)
 LAT: 50 01 253
 LONG: 124 52 873

BOTTOM POSITION (GPS)
 LAT: 50 01 255
 LONG: 124 52 925

END POSITION (GPS)
 LAT: 50 01 247
 LONG: 124 52 936

ROSETTE LOG

MISSION ID: 2006-29 STATION: 20 CAST NUMBER: 78 UTC DATE (dd/mm/yyyy): 15/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	277			5	N													
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 303

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1905
Bottom:		1914
End:		

START POSITION (GPS)
LAT: 49 47 221
LONG: 124 32 226

BOTTOM POSITION (GPS)
LAT: 49 47 232
LONG: 124 32 275

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 1006-29 STATION: 22 CAST NUMBER: 80 UTC DATE (dd/mm/yyyy): 15/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	279			bottom		X												3 bottles fired
2	278			5	✓			XX	XX	X								
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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21																		
22																		
23																		
24																		

SHIP: Veeva

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:

Comments: