

Cruise ID: 2007-66Station: SAEvent #: 1CTD File: 2007-61-0001
0002UTC Date (dd mmm yyyy): 01 Oct 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ☒ Pressure	Sal	Oxy	Nut	TCO	Alk	C13	Chl	HPLC									
1	1	1333	3.301	20	☒	☒	☒	☒				☒	☒									
2	2	1338	3.464	51m	☒		☒	☒				☒	☒									
3																						
4																						
5																						
6																						
7																						
8																						
9																						
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22																						
23																						
24																						

Ship: Velvet
Entered By: ZB
Checked By: DStart Scan:
Bottom Depth: 20 mTrans Cleaned: (Y) N

Time	Local	UTC
Start		<u>2235</u>
Bottom		<u>2242</u>
End		<u>2249</u>

Start Position
Lat: 48 ° 39.38
Lon: 123 ° 30.05Bottom Position
Lat: 48 ° 39.4
Lon: 123 ° 30.07End Position
Lat: 48 ° 39.402
Lon: 123 ° 30.150

Comments: _____

ROSETTE LOG

MISSION ID: 2007-61

STATION: 59

CAST NUMBER: 2

UTC DATE (dd/mm/yyyy): 02/10/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	HPU					
1	3	1354	3.216	207	✓	225		✓	✓									small bubble in flask
2	4	1341	3.294	200	✓		✓	✓	✓									small bubble
3	5	1347	3.307	175	✓		✓	✓	✓									small "
4	6	1344	3.301	150	✓		✓	✓	✓									"
5	7	1349	3.397	125	✓		✓	✓	✓									bubble
6	8	1351	3.496	100	✓		✓	✓	✓									" had end pt spiked
7	9	1340	3.645	75	✓		✓	✓	✓									bubble
8	10	1356	3.697	50	✓		✓	✓	✓									bubble
9	11	1358	3.654	40	✓		✓	✓	✓									bubble
10	12	1360	3.564	30	✓		✓	✓	✓									
11	13	1361	3.601	20	✓		✓	✓	✓			✓	✓	✓				
12	14	1362	3.624	10	✓		✓	✓	✓			✓	✓	✓				
13	15	1363	3.777	5	✓		✓	✓	✓									
14	16	1364	4.010	Surf	✓		✓	✓	✓			✓	✓	✓				
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: No MQ put on oxy flask

SHIP: Vector

ENTERED BY: PH

CHECKED BY: K

Bottom Depth: 232

Cast # down: 4

Cast # up: 4

Time	LOC	UTC
Begin:	120	
Bottom:	126	
End:	140	

START POSITION (GPS)

LAT: 48 37 789

LONG: 123 14 570

BOTTOM POSITION (GPS)

LAT: 48 37 739

LONG: 123 14 557

END POSITION (GPS)

LAT: 48 37.7

LONG: 123 14 472

ROSETTE LOG

MISSION ID: 2007-61 STATION: 102 CAST NUMBER: -8 UTC DATE (dd/mm/yyyy): 02/10/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										Comments
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
1	18	1380	1.533	Bot.	✓ 248			✓	✓							
2	19	1381	1.523	200	✓	✓										
3	20	1382	1.565	175	✓											
4	21	1384	2.183	150	✓											
5	22	1386	2.458	125	✓											
6	23	1389	2.864	100	✓											
7	24	1391	5.114	75	✓											
8	25	1392	5.281	50	✓											
9	26			40	✗			✗	✗							- did not fire -
10	27	1394	5.536	30	✓											- triggered arm not hooked properly -
11	28	1395	5.762	20	✓							✓✓	✓✓			O2 complete -
12	29	1397	5.757	10	✓							✓✓	✓✓			check sample H's
13	30	1399	5.742	5	✓											
14	31	1400	5.733	surf.	✓			✓	✓			✓✓	✓✓			
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments: O2 Sample 28 - top popped off - ran it anyway. S.S.

SHIP: VECTOR
 ENTERED BY: VF
 CHECKED BY: VF/RK

Bottom Depth: 260

Cast # down: 8
 Cast # up:

Time ~~1800~~ UTC
 Begin: 1814
 Bottom: 1820
 End: 1837

START POSITION (GPS)
 LAT: 48 30.007
 LONG: 124 43.950

BOTTOM POSITION (GPS)
 LAT: 48 30.055
 LONG: 124 43.976

END POSITION (GPS)
 LAT: 48 30.110
 LONG: 124 43.892

ROSETTE LOG

MISSION ID: 2007-61 STATION: 75 CAST NUMBER: 11 UTC DATE (dd/mm/yyyy): 02/10/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken											
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13					
							OXY			ALK		CHL	HPAC				
1	32	1401	1.387	BOT.	✓ 215			✓	✓								
2	33	1402	1.468	200	✓	✓											
3	34	1403	1.477	175	✓												
4	35	1404	1.504	150	✓												
5	36	1406	2.087	125	✓												
6	37	1408	2.719	100	✓												
7	38	1409	4.187	75	✓												
8	39	1410	4.783	50	✓												
9	40	1411	4.935	40	✓												
10	41	1300	4.947	30	✓												
11	42	1297	3.600	20	✓							✓✓✓					
12	43	1301	3.985	10	✓							✓✓✓					
13	44	1302	4.708	5	✓												
14	45	1306	5.141	SURF.				↓	↓			✓✓✓					
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

SHIP: VECTOR
ENTERED BY: VF
CHECKED BY: RK

Bottom Depth: 230

Cast # down: 11
Cast # up:

Time ~~HCC~~ UTC
Begin: 4 2107
Bottom: 2114
End:

START POSITION (GPS)
LAT: 48 28 25
LONG: 124 32 78

BOTTOM POSITION (GPS)
LAT: 48 28 30
LONG: 124 32 78

END POSITION (GPS)
LAT: 48
LONG: 124

ROSETTE LOG

MISSION ID: 2007-61 STATION: 72 CAST NUMBER: 14 UTC DATE (dd/mm/yyyy): 02/10/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		Phyto				
1	46	1307	1.531	BOT	✓ 184			✓	✓									
2	47	1309	1.537	175	✓	✓		✓	✓									
3	48	1305	1.549	150	✓			✓	✓									
4	49	1313	2.110	125	✓			✓	✓									
5	50	1314	2.345	100	✓			✓	✓									
6	51	1317	2.694	75	✓			✓	✓									
7	52	1315	3.143	50	✓			✓	✓									
8	53	1318	3.155	40	✓			✓	✓									
9	54	1319	3.386	30	✓			✓	✓									
10	55	1320	3.494	20	✓			✓	✓				✓	✓				
11	56	1321	3.566	10	✓			✓	✓				✓	✓				
12	57	1322	3.605	5	✓			✓	✓				✓	✓				
13	58	1324	3.928	Surf				✓	✓				✓	✓	✓			bubbles on probe
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

forgot to trigger bottle 13, a bucket of sea surface water was used to

SHIP: Vecton
ENTERED BY:
CHECKED BY: mm

Bottom Depth: 182

Cast # down: 14

Cast # up: 14

Time	LOC	UTC
Begin:	<u>1:14</u>	✓
Bottom:	<u>1:20</u>	←
End:	<u>1:35</u>	

START POSITION (GPS)
LAT: 48 18.594
LONG: 124 3.967

BOTTOM POSITION (GPS)
LAT: 48 18.575
LONG: 124 3.983

END POSITION (GPS)
LAT: 48 18.503
LONG: 124 3.974

ROSETTE LOG

MISSION ID: 2007-01 STATION: 69 (EVENT) CAST NUMBER: 17 UTC DATE (dd/mm/yyyy): 03/10/2007

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					
1	59	1377	1.661	BOT	✓	178												
2	60	1380	1.656	150	✓		v											
3	61	1381	1.939	125	✓													
4	62	1382	2.634	100	✓			vv										
5	63	1384	2.785	75	✓													
6	64	1386	3.238	40	✓													10 50m ?
7	65	1389	3.251	30	✓													
8	66	1391	3.385	20	✓							vv	vv					
9	67	1392	4.033	10	✓							vv	vv					
10	68	1393	4.266	5	✓													
11	69	1394	4.414	Surf	✓							vv	vv					
12																		
13																		
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Comments:

SHIP: VECTOR
ENTERED BY: VF - LB
CHECKED BY: RK

Bottom Depth: 174

Cast # down: 17
Cast # up:

Time	LOC	UTC
Begin:		0416
Bottom:		0421
End:		0432

START POSITION (GPS)
LAT: 48 15.625
LONG: 123 43.168

BOTTOM POSITION (GPS)
LAT: 48 15.586
LONG: 123 43.135

END POSITION (GPS)
LAT: 48 15.611
LONG: 123 43.195

ROSETTE LOG

MISSION ID: 2007-61 STATION: ANCP CAST NUMBER: 20 UTC DATE (dd/mm/yyyy): 03

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	70	1395	2.336	Bot	✓	107												
2	71	1403	2.355	100	✓	Bot-7	✓											* wrong # in comp
3	72	1402	2.373	75	✓			✓										
4	73	1401	2.814	50	✓													
5	74	1400	3.053	40	✓													
6	75	1399	3.065	30	✓													
7	76	1397	3.524	20	✓							vv	vv					
8	77	1404	3.800	10	✓							vv	vv					
9	78	1406	4.176	5	✓													
10	79	1408	4.228	Surf	✓			▼	▼			vv	vv					
11																		
12																		
13																		
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20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY: VF

CHECKED BY: VF SS

Bottom Depth: 113

Cast # down: 20

Cast # up:

Time LOC UTC

Begin: 0801

Bottom: 0805

End:

START POSITION (GPS)

LAT: 48°13.88

LONG: 123°18.34

BOTTOM POSITION (GPS)

LAT: 48°13.84

LONG: 123°18.52

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2007-61 STATION: 6565 CAST NUMBER: 124 UTC DATE (dd/mm/yyyy): 03

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	HAPO					
1	80	1409	2.758	Bot	✓	122												
2	81	1410	2.780	100	✓		✓											
3	82	1411	3.251	75	✓													
4	83	1333	3.385	50	✓			✓										
5	84	1360	3.799	40	✓													
6	85	1344	4.207	30	✓													
7	86	1347	4.312	20	✓													
8	87	1341	4.304	10	✓													
9	88	1354	4.283	SS	✓													
10	89	1338	4.310	Surf	✓													
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
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22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY: RK

CHECKED BY:

Bottom Depth: 122

Cast # down: 24

Cast # up: 24

Time	LOC	UTC
Begin:	1103	
Bottom:	1106	
End:	1115	

START POSITION (GPS)

LAT: 48 15 857

LONG: 123 9 882

BOTTOM POSITION (GPS)

LAT: 48 15 856

LONG: 123 9 918

END POSITION (GPS)

LAT: 48 15 834

LONG: 123 10 022

ROSETTE LOG

MISSION ID: 2007-61 STATION: 62 CAST NUMBER: 27 UTC DATE (dd/mm/yyyy): 3/10/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
1	90	1349	2.520	BOT	✓ 142			✓	✓							
2	91	1351	2.598	125	✓	✓										
3	92	1340	3.233	100	✓											
4	93	1356	3.555	75	✓											
5	94	1358	3.835	50	✓											
6	95	1361	3.872	40	✓											
7	96	1362	3.875	30	✓											
8	97	1363	3.912	20	✓							✓	✓			
9	98	1364	3.919	10	✓							✓	✓			
10	99	1366	3.933	5	✓											
11	100	1367	4.162	Surf	✓			✓	✓			✓	✓			
12																
13																
14																
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17																
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22																
23																
24																

Comments:

SHIP: Vector

ENTERED BY: JM

CHECKED BY: JM

Bottom Depth: 140

Cast # down: 27

Cast # up:

Time	LOC	UTC
Begin:		1359
Bottom:		1409
End:		1413

START POSITION (GPS)

LAT: 48 22.865

LONG: 123 2.669

BOTTOM POSITION (GPS)

LAT: 48 22.939

LONG: 123 2.701

END POSITION (GPS)

LAT: 48 23.130

LONG: 123 2.606

ROSETTE LOG

MISSION ID: 2007-61 STATION: 56 CAST NUMBER: 33 UTC DATE (dd/mm/yyyy): 03/10/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL	XPL					
1	101	1297	3.228	BOT	✓ 205													
2	102	1300	3.186	206	✓	✓												
3	103	1301	3.191	175	✓ 176	✓												
4	104	1302	3.200	150	✓													
5	105	1305	3.206	125	✓													
6	106	1306	3.309	100	✓ 103													
7	107	1307	3.509	75	✓													
8	108	1309	3.530	50	✓			✓										
9	109	1313	3.618	40	✓													
10	110	1314	3.642	30	✓													
11	111	1315	3.632	20	✓							✓	✓					
12	112	1317	3.645	10	✓							✓	✓					
13	113	1318	3.670	5	✓													
14	114	1319	3.734	Surf	✓							✓	✓					
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY: JVF

Bottom Depth: 211

Cast # down: 33
Cast # up:

Time	LOC	UTC
Begin:		1950
Bottom:		1956
End:		

START POSITION (GPS)
LAT: 48°46.43
LONG: 123°01.54

BOTTOM POSITION (GPS)
LAT: 48°46.45
LONG: 123°01.52

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2007-61 STATION: 46 CAST NUMBER: 40 UTC DATE (dd/mm/yyyy): 34/10/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	165	1320	3.382	100	✓ 173		✓	✓										
2	116	1321	3.325	150	✓		✓											
3	117	1322	3.528	125	✓													
4	118	1324	3.492	100	✓													
5	119	1456	3.438	75	✓													
6	120	1329	3.478	50	✓			✓										
7	121	1328	3.577	40	✓													
8	122	1327	3.578	30	✓													
9	123	1326	4.161	20	✓							✓	✓					
10	124	1325	4.528	10	✓							✓	✓					
11	125	1371	4.747	5	✓													
12	126	1368	4.945	Surf	✓			✓	✓			✓	✓					
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY: LB

CHECKED BY: VF

Bottom Depth: 179

Cast # down: 40

Cast # up: 40

Time 1000 UTC

Begin: 1 37

Bottom: 142

End: 153

START POSITION (GPS)

LAT: 48 51 40.3

LONG: 123 10 77.4

BOTTOM POSITION (GPS)

LAT: 48 51 39.0

LONG: 123 10 76.8

END POSITION (GPS)

LAT: 48 51 39.4

LONG: 123 10 78.8

Comments:

ROSETTE LOG

MISSION ID: 2007-61 STATION: 42

(EVENT)
CAST NUMBER: 42

UTC DATE (dd/mm/yyyy):

04/10/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL	HPGL					
1	127	1333	2.792	BOT	✓	317		✓	✓									
2	128	1360	2.833	300	✓													
3	129	1344	2.895	250	✓													
4	130	1347	2.846	200	✓													
5	131	1341	2.985	175	✓													
6	132	1354	3.067	150	✓													
7	133	1338	3.047	125	✓													
8	134	1373	3.100	100	✓													
9	135	1351	3.175	75	✓													
10	136	1340	3.309	50	✓			✓										
11	137	1356	3.389	40	✓													
12	138	1358	3.374	30	✓													
13	139	1361	3.478	20	✓							✓	✓					
14	140	1362	3.624	10	✓							✓	✓					
15	141	1363	5.121	5	✓													
16	142	1364	6.102	surf	→ not			✓	✓			✓	✓					
17					fixed													
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: *Ken Dor*
ENTERED BY: *jm*
CHECKED BY:

Bottom Depth: 320

Cast # down:

Cast # up:

Time ~~LOC~~ UTC
Begin: 0407
Bottom: 0415
End:

START POSITION (GPS)
LAT: 49° 1.796
LONG: 123° 26.71

BOTTOM POSITION (GPS)
LAT: 49° 1.798
LONG: 123° 26.204

END POSITION (GPS)
LAT: 49° 1.777
LONG: 123° 26.126

Comments:

→ not fixed
bucket surface
sample.

ROSETTE LOG

MISSION ID:

2007-01

STATION:

39

CAST NUMBER:

46

UTC DATE (dd/mm/yyyy):

10/2007

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	PHD		
1	143	1377	2.690*	BOT	✓	368											(change O ₂ value - prob
2	144	1380	2.762	350	✓		✓										(gave out in mv
3	145	1381	2.808	300	✓												↓ re-determined O ₂
4	146	1382	2.806	250	✓												value to be
5	147	1384	2.852	200	✓												2.727 ml/l
6	148	1386	2.857	175	✓												based on sodium
7	149	1395	2.891	150	✓												this dispensed
8	150	1394	2.964	125	✓												(new colorimeter
9	151	1393	3.024	100	✓												probe working well)
10	152	1392	3.118	75	✓												(derived through
11	153	1391	3.255	50	✓												FOSShell)
12	154	1389	3.291	40	✓												
13	155	1397	3.322	30	✓												
14	156	1399	3.351	20	✓								✓✓	✓✓			
15	157	1400	3.435	10	✓								✓✓	✓✓			
16	158	1401	3.817	5	✓												
17	159	1402	5.415	surf	✓								✓✓	✓	✓		
18																	
19																	
20																	
21																	
22																	
23																	
24																	

SHIP: VECTOR

ENTERED BY: ZP

CHECKED BY: RK

Bottom Depth: 388

Cast # down: 46

Cast # up:

Time LOC UTC

Begin: 0834

Bottom: 0845

End: 0905

START POSITION (GPS)

LAT: 49° 09.97

LONG: 123° 33.07

BOTTOM POSITION (GPS)

LAT: 49° 09

LONG: 123° 33

END POSITION (GPS)

LAT: 49° 12

LONG: 123° 32

Comments: Colorimeter probe has been slowly acting up. During sample 143 it was bouncing all over. So I put a new probe on. Seems fine now. (S.S.)

ROSETTE LOG

MISSION ID: 2007-61 STATION: 27

(EVENT)
CAST NUMBER:

49

UTC DATE (dd/mm/yyyy):

4/10/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3			Carboy			
1	160	1297	2.727	Bot.	✓ 342			✓	✓									
2	161	1300	2.772	300	✓	✓												
3	162	1301	2.798	250	✓													
4	163	1302	2.820	200	✓													
5	164	1305	2.905	175	✓													
6	165	1306	2.984	150	✓													
7	166	1307	3.130	125	✓													
8	167	1309	3.137	100	✓													
9	168	1313	3.160	75	✓													
10	169	1314	3.278	50	✓													
11	170	1315	3.414	40	✓													
12	171	1317	4.146	30	✓													
13	172	1318	4.329	20	✓								✓✓	✓✓				
14	173	1319	5.206	10	✓								✓✓	✓✓				
15	174	1320	5.947	5	✓										✓			Carboy
16	175	1321	6.260	Surface	✓								✓✓	✓✓				
17				0														
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY: VF

CHECKED BY: 

Bottom Depth: 347

Cast # down: 49

Cast # up:

Time ~~100~~ UTC

Begin: 1201

Bottom: 1209

End: 1225

START POSITION (GPS)

LAT: 49 19 162

LONG: 123 47 95.9

BOTTOM POSITION (GPS)

LAT: 49 19 186

LONG: 123 48 00.8

END POSITION (GPS)

LAT: 49 19 188

LONG: 123 48 05.6

ROSETTE LOG

MISSION ID: 2007-61 STATION: 2 CAST NUMBER: 53 (EVENT) UTC DATE (dd/mm/yyyy): 4/10/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	HPCC					
1	176	1333	2.816	Bot	✓	273		1										
2	177	1360	2.827	250	✓		✓											
3	128	1344	2.800	200	✓													
4	179	1347	2.948	175	✓													
5	180	1341	3.021	150	✓													
6	181	1354	3.097	125	✓													
7	182	1338	3.129	100	✓													
8	183	1373	3.254	75	✓													
9	184	1351	3.520	50	✓			✓										
10	185	1340	3.799	40	✓													
11	186	1356	4.065	30	✓													
12	187	1358	4.745	20	✓							✓	✓					
13	188	1361	5.535	10	✓							✓	✓					
14	189	1362	5.800	5	✓													
15	190	1363	5.996	surf	✓			✓	✓			✓	✓					
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: LZ
CHECKED BY: VF

Bottom Depth: 275

Cast # down:
Cast # up:

Time ~~1630~~ UTC
Begin: 1630
Bottom: 1636
End: 1655

START POSITION (GPS)
LAT: 49° 24.114
LONG: 124° 9.337

BOTTOM POSITION (GPS)
LAT: 49° 24.131
LONG: 124° 9.356

END POSITION (GPS)
LAT: 49° 24.086
LONG: 124° 9.927

ROSETTE LOG

MISSION ID: 2007-61 STATION: 3

(EVENT)
CAST NUMBER: 56

UTC DATE (dd/mm/yyyy): 4/10/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	191	1413	2.742	Bot	✓ 319													
2	192	1414	2.733	300	✓	✓												
3	193	1418	2.764	250	✓													
4	194	1421	2.748	200	✓													
5	195	1424	2.921	175	✓													
6	196	1427	2.995	150	✓													
7	197	14263	3.007	125	✓													
8	198	142830	3.111	100	✓			✓										
9	199	1430	3.177	75	✓													
10	200	1429	3.837	50	✓													
11	201	1428	4.542	40	✓													
12	202	1426	4.777	30	✓													
13	203	1433	5.253	20	✓								✓	✓				
14	204	1434	5.324	10	✓								✓	✓				
15	205	1440	5.739	5	✓													
16	206	1443	5.873	surf	✓			✓	✓				✓	✓				
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY: LZ

CHECKED BY: UF

Bottom Depth: 323

Cast # down:

Cast # up:

Time 19:07 UTC

Begin: 19:07

Bottom: 19:14

End: 19:32

START POSITION (GPS)

LAT: 49° 26.63'

LONG: 124° 20.25'

BOTTOM POSITION (GPS)

LAT: 49° 26.628'

LONG: 124° 20.231'

END POSITION (GPS)

LAT: 49° 26.609'

LONG: 124° 20.209'

Comments:

ROSETTE LOG

MISSION ID:

2007-61

STATION:

6

CAST NUMBER:

58

UTC DATE (dd/mm/yyyy):

1/10/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	207	1377	2.763	Bot.	✓	186		✓	✓									
2	208	1380	2.739	175	✓		✓		↓									
3	209	1381	2.884	150	✓				✓									
4	210	1382	2.990	125	✓				✓									
5	211	1384	3.107	100	✓													
6	212	1386	3.286	75	✓													
7	213	1395	4.084	50	✓													
8	214	1394	4.245	40	✓													
9	215	1393	4.566	30	✓													
10	216	1392	4.681	20	✓								✓	✓	✓			
11	217	1391	5.338	10	✓								✓	✓	✓			
12	218	1397	5.371	5	✓													
13	219	1389	5.858	SURF.	✓			↓	↓				✓	✓	✓			
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY:

VF

CHECKED BY:

RK 1875

Bottom Depth:

192

Cast # down:

58

Cast # up:

Time

LOC

UTC

Begin:

2108

Bottom:

2113

End:

2155

START POSITION (GPS)

LAT: 49° 30.57'

LONG: 124° 27.79'

BOTTOM POSITION (GPS)

LAT: 49° 30.56'

LONG: 124° 27.76'

END POSITION (GPS)

LAT: 49° 30.59'

LONG: 124° 27.80'

Comments:

ROSETTE LOG

MISSION ID: 2007-61 STATION: 9 (EVENT) CAST NUMBER: 61 UTC DATE (dd/mm/yyyy): 3/4/10/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
1	220	1399	2.649	BOT.	✓	164		✓	✓									
2	221	1400	2.683	150	✓		✓											bubbles in flask
3	222	1401	2.962	125	✓													
4	223	1403	3.103	100	✓													bubbles in flask
5	224	1402	2.998	75	✓													
6	225	1404	4.123	50	✓													
7	226	1406	4.513	40	✓													
8	227	1408	4.608	30	✓													bubble in flask
9	228	1409	5.000	20	✓							✓✓	✓✓					bubble "
10	229	1410	5.409	10	✓							✓✓	✓✓					
11	230	1411	5.513	5	✓													
12	231	1456	5.608	SURF	✓							✓✓	✓✓					
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: VF
CHECKED BY: RIK/NC

Bottom Depth: 170

Cast # down: 61
Cast # up: 41

Time 100 UTC
Begin: 23 53
Bottom: 23 57
End:

START POSITION (GPS)
LAT: 49 35 50.1
LONG: 124 38 29.8

BOTTOM POSITION (GPS)
LAT: 49 35 49.1
LONG: 124 38 28.5

END POSITION (GPS)
LAT: 49 35 50.6
LONG: 124 38 31.1

ROSETTE LOG

MISSION ID: 2007-61 : STATION: 12 EVENT CAST NUMBER: 64 UTC DATE (dd/mm/yyyy): 4/10/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	H ₂ O					
1	232	1413	2.820	307	✓	351												
2	233	1414	2.866	300	✓													
3	234	1418	2.903	250	✓													
4	235	1421	2.920	200	✓													
5	236	1424	3.054	175	✓													
6	237	1427	3.006	150	✓													
7	238	1426	3.022	125	✓													
8	239	1428	3.035	100	✓													
9	240	1429	3.111	75	✓													
10	241	1430	3.407	50	✓													
11	242	3090	3.571	40	✓													
12	243	1432	4.107	30	✓													
13	244	1433	4.376	20	✓									✓✓✓				
14	245	1434	4.593	10	✓									✓✓✓				
15	246	1440	4.877	5	✓													
16	247	1443	5.349	Surf	✓									✓✓✓				
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY: *VB*
CHECKED BY: *VF*

Bottom Depth: 350

Cast # down: 64
Cast # up:

Time ~~LOG~~ UTC
Begin: 205
Bottom: 214
End: 231

START POSITION (GPS)
LAT: 49 43 60.7
LONG: 124 40.813

BOTTOM POSITION (GPS)
LAT: 49 43 62.1
LONG: 124 40 799

END POSITION (GPS)
LAT: 49 43 60.0
LONG: 124 40 776

ROSETTE LOG

MISSION ID: 2007-61 STATION: 14 (EVENT) CAST NUMBER: 66 UTC DATE (dd/mm/yyyy): 5/10/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
							OXY			ALK		CHL	HDLC	PH	PO	
1	248	1297	2.904	307	✓	311										
2	249	1300	2.866	300	✓		✓									
3	250	1301	2.885	250	✓											
4	251	1302	3.158	200	✓											
5	252	1305	2.979	175	✓											
6	253	1306	2.990	150	✓											
7	254	1307	2.938	125	✓											
8	255	1309	3.101	100	✓											
9	256	1313	3.324	75	✓											
10	257	1314	4.053	50	✓											
11	258	1315	4.363	40	✓											
12	259	1317	4.520	30	✓											
13	260	1318	4.767	20	✓							XX	XX			
14	261	1319	4.930	10	✓							XX	XX			
15	262	1320	5.428	5	✓											
16	263	1321	5.702	surf												
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: VECTOR
ENTERED BY: *W*
CHECKED BY: *VF*

Bottom Depth: 315

Cast # down:
Cast # up:

Time 100 UTC
Begin: 0448
Bottom: 0456
End:

START POSITION (GPS)
LAT: 49° 52.979
LONG: 124° 59.610

BOTTOM POSITION (GPS)
LAT: 49° 52.981
LONG: 124° 59.616

END POSITION (GPS)
LAT: 49° 53.000
LONG: 124° 59.598

ROSETTE LOG

MISSION ID: 2007-61 STATION: 16(EVENT)
CAST NUMBER: 6869

UTC DATE (dd/mm/yyyy):

1/10/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
1	264	1333	3.013	BOT.	✓ 151			✓	✓							
2	265	1338	3.000	125	✓	✓		↓								
3	266	1340	3.109	100	✓			↓								
4	267	1341	3.431	75	✓			✓	✓							
5	268	1344	4.207	50	✓			✓								
6	269	1347	4.486	40	✓											
7	270	1351	4.639	30	✓											
8	271	1354	4.712	20	✓							✓	✓	✓		
9	272	1356	4.747	10	✓							✓	✓	✓		
10	273	1358	4.826	5	✓											
11	274	1360	5.157	SURF.				↓	↓			✓	✓	✓		
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: VECTORENTERED BY: VF

CHECKED BY:

Bottom Depth: 146

Cast # down:

Cast # up:

Time ~~1000~~ UTCBegin: 0803

Bottom:

End:

START POSITION (GPS)

LAT: 49°57.73LONG: 125°08.80

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG: