

ROSETTE LOG

MISSION ID: 2001-33 STATION: QCS4 CAST NUMBER: 001 UTC DATE (dd/mm/yyyy): 25/09/2000

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	✓	NUT	TCO	C13	ALK	CHL						
1	1	1302	2.595	bot-5	✓ 151		✓	✓										
2	2	1303	2.853	125	✓		✓	✓										
3	3	1304	2.940	100	✓		✓	✓										
4	4	1305	3.012	75	✓		✓	✓										
5	5	1306	3.186	50	✓		✓	✓										
6	6	1307	3.803	30	✓		✓	✓										
7	7	1309	3.953	20	7		✓	✓										
8	8	1310	4.163	10	✓		✓	✓										
9	9	1311	4.187	0	1.2		✓	✓										
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 158

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0312
Bottom:		0315
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 50 40 02
LONG: 126 46.30

END POSITION (GPS)
LAT:
LONG:
30.0
9.5
39.5

ROSETTE LOG

MISSION ID: 2001-33 STATION: 2CS2 CAST NUMBER: 2 UTC DATE (dd/mm/yyyy): 25/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	10	1313	2.429	220	✓ 221	✓	✓	✓										
2	11	1314	2.447	200	✓	✓		✓										
3	12	1315	2.468	175	✓			✓										
4	13	1316	2.501	150	✓			✓										
5	14	1317	2.554	125	✓			✓										
6	15	1318	2.692	100	✓			✓										
7	16	1317	3.108	75	✓			✓										
8	17	1320	3.548	50	✓			✓										
9	18	1321	4.039	30	✓			✓										
10	19	1322	4.259	20	✓			✓										
11	20	1323	4.524	10	✓			✓										
12	21	1324	4.662	0	✓ 1.6			✓	✓									
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 226

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0441
Bottom:		0445
End:		

START POSITION (GPS)
LAT: 50 46.58
LONG: 127 02.45

BOTTOM POSITION (GPS)
LAT: 50
LONG: 127

END POSITION (GPS)
LAT:
LONG:
 $C = \pi D$
 $D = \frac{C}{\pi} = \frac{1000}{\pi} = 318.4$

ROSETTE LOG

MISSION ID: 2001-33 STATION: WP CAST NUMBER: 3 UTC DATE (dd/mm/yyyy): 25/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	22	1325	3.587	175	✓ 175			✓	✓									
2	23	1326	3.613	150	✓													
3	24	1327	3.624	125	✓													
4	25	1328	3.646	100	✓													
5	26	1329	3.621	75	✓													
6	27	1330	3.647	50	✓													
7	28	1331	3.802	30	✓													
8	29	1332	3.973	20	✓													
9	30	1333	3.951	10	✓													
10	31	1334	5.004	0	✓ 1.6			✓	✓									
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 183

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		0548
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 50 50 81
LONG: 126 56.41

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-33 STATION: SC CAST NUMBER: 4 UTC DATE (dd/mm/yyyy): 25/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	32	1335	3.030	230	✓ 229	✓	✓	✓										
2	33	1336	3.044	200	✓	✓												
3	34	1337	3.088	175	✓													
4	35	1338	3.128	150	✓													
5	36	1340	3.184	125	✓													
6	37	1341	3.273	100	✓													
7	38	1342	3.445	75	✓													
8	39	1343	3.604	50	✓													
9	40	1344	3.681	30	✓													
10	41	1345	3.726	20	✓													
11	42	1346	3.879	10	✓													
12	43	1347	4.766	0	✓ 15		✓	✓										
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 236

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		0715
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 50 53.43
LONG: 126 45.70

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-33 STATION: PP2 CAST NUMBER: 5 UTC DATE (dd/mm/yyyy): 26/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	✓	NUT	TCO	C13	ALK	CHL						
1	44	1302	2.788	6.7-1	✓ 140		✓	✓										
2	45	1303	3.016	125	✓													
3	46	1304	3.138	100	✓													
4	47	1305	3.210	75	✓													
5	48	1306	3.585	50	✓													
6	49	1307	3.664	30	✓													
7	50	1309	3.818	20	✓													low RT end-point
8	51	1310	4.544	10	✓													
9	52	1311	6.399	0	✓		✓	✓										
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
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22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 150

Cast # down: 005
Cast # up: 005

Time	LOC	UTC
Begin:		
Bottom:		0355
End:		0404

START POSITION (GPS)
LAT: 50° 48.85'
LONG: 126° 31.55'

BOTTOM POSITION (GPS)
LAT: 50° 48.82'
LONG: 126° 31.56'

END POSITION (GPS)
LAT: 50° 48.85'
LONG: 126° 31.58'

ROSETTE LOG

MISSION ID: 2001-33 STATION: KINØ CAST NUMBER: 6 UTC DATE (dd/mm/yyyy): 26/09/2001.

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	53	1316	2.986	400	✓	✓	✓											
2	54	1317	2.921	300	✓	✓												
3	55	1318	2.935	250	✓													
4	56	1319	3.071	200	✓													
5	57	1320	3.155	175	✓													
6	58	1321	3.231	150	✓													
7	59	1322	3.217	125	✓													
8	60	1323	3.299	100	✓													
9	61	1324	3.479	75	✓													
10	62	1325	3.653	50	✓													
11	63	1326	3.851	30	✓													
12	64	1327	3.883	20	✓													
13	65	1328	3.971	10	✓													
14	66	1329	6.648	0			✓											
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 406

Cast # down: 6
Cast # up: 6

Time	LOC	UTC
Begin:		0439
Bottom:		0447
End:		0504

START POSITION (GPS)		
LAT:	50	51.69
LONG:	126	37.21

BOTTOM POSITION (GPS)		
LAT:	50	51.66
LONG:	126	37.21

END POSITION (GPS)		
LAT:	50	51.58
LONG:	126	37.11

ROSETTE LOG

MISSION ID: 2001-33 STATION: KIN 15 CAST NUMBER: 7 UTC DATE (dd/mm/yyyy): 26/09/2001.

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	67	1334	3.081	470	✓ 474	✓	✓	✓										
2	68	1335	3.174	400	✓	✓												
3	69	1336	2.363	300	✓	✓												
4	70	1337	2.462	250	✓													
5	71	1338	2.944	200	✓													
6	72	1340	3.007	175	✓													
7	73	1341	3.291	150	✓													
8	74	1342	3.450	125	✓													
9	75	1343	3.301	100	✓													
10	76	1344	3.597	75	✓													
11	77	1345	4.070	50	✓													
12	78	1346	4.153	30	✓													
13	79	1347	4.155	20	✓													
14	80	1348	4.292	10	✓													
15	81	1349	7.001	0	✓		✓	✓										
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 480

Cast # down: 7
Cast # up:

Time	LOC	UTC
Begin:		0554
Bottom:		0609
End:		0628

START POSITION (GPS)
LAT: 50° 56.15
LONG: 126° 28.92

BOTTOM POSITION (GPS)
LAT: 50° 56.13
LONG: 126° 28.90

END POSITION (GPS)
LAT: 50° 56.13
LONG: 126° 28.82

ROSETTE LOG

MISSION ID: 2001-33 STATION: Kin 3 CAST NUMBER: 8 UTC DATE (dd/mm/yyyy): 26/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	82	1350	2.069	200	✓ 194													
2	83	1351	2.204	175	✓													
3	84	1352	2.389	150	✓													
4	85	1353	2.728	125	✓													
5	86	1354	3.029	100	✓													
6	87	1355	3.514	75	✓													
7	88	1356	3.705	50	✓													
8	89	1357	4.312	30	✓													
9	90	1358	4.597	20	✓													
10	91	1359	5.235	10	✓													
11	92	1360	7.203	0	✓													very low %T end-point
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: OJS
CHECKED BY:

Bottom Depth: 200

Cast # down: 8
Cast # up:

Time	LOC	UTC
Begin:		0728
Bottom:		0732
End:		

START POSITION (GPS)
LAT: 50° 54.91
LONG: 126° 14.71

BOTTOM POSITION (GPS)
LAT: 50° 54.91
LONG: 126° 14.66

END POSITION (GPS)
LAT: 50° 54.91
LONG: 126° 14.57

ROSETTE LOG

MISSION ID: 2001-33 STATION: CC2 CAST NUMBER: 9 UTC DATE (dd/mm/yyyy): 27/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	93	1302	2.764	60	✓ 64	✓	↑											
2	94	1303	2.739	50	✓													
3	95	1304	3.070	30	✓													
4	96	1305	3.285	20	✓													
5	97	1306	4.191	10	✓													
6	98	1307	5.755	0			↓											
7																		
8																		
9																		
10																		
11																		
12																		
13																		
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22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 70

Cast # down: 9
Cast # up:

Time	LOC	UTC
Begin:		0245
Bottom:		0248
End:		0253

START POSITION (GPS)
LAT: 50° 34.21
LONG: 126° 29.29

BOTTOM POSITION (GPS)
LAT: 50° 34.21
LONG: 126° 29.30

END POSITION (GPS)
LAT: 50° 34.22
LONG: 126° 29.30

ROSETTE LOG

MISSION ID: 2001-33 STATION: CC1 CAST NUMBER: 10 UTC DATE (dd/mm/yyyy): 27/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	99	1309	2.847	100	✓ 111	✓		✓✓										
2	100	1310	3.120	75	✓			✓										
3	101	1311	3.256	50	✓			✓										
4	102	1313	3.396	30	✓			✓										
5	103	1314	3.581	20	✓			✓										
6	104	1315	4.051	10	✓			✓										
7	105	1316	6.234	0	✓			✓✓										
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
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19																		
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21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 118

Cast # down: 10
Cast # up:

Time	LOC	UTC
Begin:		0340
Bottom:		0342
End:		0349

START POSITION (GPS)
LAT: 50° 36.31
LONG: 126° 21.39

BOTTOM POSITION (GPS)
LAT: 50° 36.31
LONG: 126° 21.41

END POSITION (GPS)
LAT: 50° 36.30
LONG: 126° 21.48

ROSETTE LOG

MISSION ID: 2001-33 STATION: Kn 1 CAST NUMBER: 11 UTC DATE (dd/mm/yyyy): 27/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	106	1317	3.032	250	✓	248	✓	✓	✓									
2	107	1318	3.050	200	✓		✓	✓	✓									
3	108	1319	3.053	175	✓			✓	✓									
4	109	1320	3.042	150	✓			✓	✓									
5	110	1321	3.047	125	✓			✓	✓									
6	111	1322	3.074	100	✓			✓	✓									
7	112	1323	3.168	75	✓			✓	✓									
8	113	1324	3.339	50	✓			✓	✓									.502 + .058 = .560
9	114	1325	3.587	30	✓			✓	✓									
10	115	1326	3.804	20	✓			✓	✓									
11	116	1327	4.227	10	✓			✓	✓									
12	117	1328	5.754	0	✓			✓	✓									
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 257

Cast # down: 11
Cast # up:

Time	LOC	UTC
Begin:		0426
Bottom:		0431
End:		0444

START POSITION (GPS)
LAT: 50° 38.10
LONG: 126° 25.36

BOTTOM POSITION (GPS)
LAT: 50° 38.11
LONG: 126° 25.43

END POSITION (GPS)
LAT: 50° 38.12
LONG: 126° 25.63

ROSETTE LOG

MISSION ID: 2001-33 STATION: J51 CAST NUMBER: 12 UTC DATE (dd/mm/yyyy): 27/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL				Rinse	
1	118	1334	3.574	470	✓	454	✓	✓	✓									
2	119	1335	3.612	400	✓		✓	✓	✓								✓	
3	120	1336	3.647	300	✓		✓	✓	✓									
4	121	1337	3.689	250	✓			✓	✓									
5	122	1338	3.687	200	✓			✓	✓									
6	123	1340	3.710	175	✓			✓	✓									
7	124	1341	3.756	150	✓			✓	✓									
8	125	1342	3.829	125	✓			✓	✓									
9	126	1343	3.889	100	✓			✓	✓									
10	127	1344	3.989	75	✓			✓	✓									
11	128	1345	4.028	50	✓			✓	✓									
12	129	1346	4.062	30	✓			✓	✓									
13	130	1347	4.112	20	✓			✓	✓									
14	131	1348	4.221	10	✓			✓	✓									
15	132	1349	4.264	0				✓	✓									
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 460

Cast # down: 12

Cast # up:

Time	LOC	UTC
Begin:		0657
Bottom:		0706
End:		0727

START POSITION (GPS)
LAT: 50° 33.03
LONG: 126° 46.25

BOTTOM POSITION (GPS)
LAT: 50° 33.03
LONG: 126° 46.23

END POSITION (GPS)
LAT: 50° 32.97
LONG: 126° 45.89

12/11 / 1.7 = ppm

ROSETTE LOG

MISSION ID: 2001-33 STATION: Kn2 CAST NUMBER: 13 UTC DATE (dd/mm/yyyy): 28/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	133	1302	3.023	165	✓ 175		✓	✓										
2	134	1303	3.058	150	✓		✓	✓										
3	135	1304	3.100	125	✓		✓	✓										
4	136	1305	3.092	100	✓		✓	✓										
5	137	1306	3.168	75	✓		✓	✓										
6	138	1307	3.277	50	✓		✓	✓										
7	139	1309	3.400	30	✓		✓	✓										
8	140	1310	3.500	20	✓		✓	✓										
9	141	1311	3.781	10	✓		✓	✓										
10	142	1313	5.675	0	✓		✓	✓										stopper loose
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Air vents open except for bottles # 3 + # 8

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 187

Cast # down: 13

Cast # up:

Time	LOC	UTC
Begin:		0052
Bottom:		0056
End:		0107

START POSITION (GPS)

LAT: 50° 39.31

LONG: 126° 11.09

BOTTOM POSITION (GPS)

LAT: 50° 39.31

LONG: 126° 11.17

END POSITION (GPS)

LAT: 50° 39.32

LONG: 126° 11.20

ROSETTE LOG

MISSION ID: 2001-33 STATION: Tr C 1 CAST NUMBER: 14 UTC DATE (dd/mm/yyyy): 28/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	143	1314	2.957	300	✓	318	✓	✓										
2	144	1315	2.998	250	✓		✓	✓										Stopper loose
3	145	1316	3.010	200	✓			✓										
4	146	1317	2.974	175	✓			✓										
5	147	1318	2.965	150	✓			✓										
6	148	1319	2.968	125	✓			✓										
7	149	1320	2.988	100	✓			✓										
8	150	1321	3.118	75	✓			✓										
9	151	1322	3.330	50	✓			✓										
10	152	1323	3.464	30	✓			✓										
11	153	1324	3.533	20	✓			✓										
12	154	1325	3.774	10	✓			✓										
13	155	1326	6.255	0	✓			✓										
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 290

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0155
Bottom:		0203
End:		0220

START POSITION (GPS)
LAT: 50° 43.60
LONG: 126° 10.89

BOTTOM POSITION (GPS)
LAT: 50° 43.58
LONG: 126° 10.95

END POSITION (GPS)
LAT: 50° 43.44
LONG: 126° 11.03

ROSETTE LOG

MISSION ID: 2001-33 STATION: TrC2.5 CAST NUMBER: 15 UTC DATE (dd/mm/yyyy): 28/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	156	1334	2.923	300	✓ 240	✓		✓	✓									
2	157	1335	2.904	200	✓	✓		✓	✓									check end point ✓
3	158	1336	2.896	200	✓	✓		✓	✓									
4	159	1337	2.899	175	✓			✓	✓									
5	160	1338	2.944	150	✓			✓	✓									
6	161	1340	3.036	125	✓			✓	✓									
7	162	1341	3.075	100	✓			✓	✓									
8	163	1342	3.258	75	✓			✓	✓									
9	164	1343	3.497	50	✓			✓	✓									broken top
10	165	1344	3.530	30	✓			✓	✓									
11	166	1345	3.601	20	✓			✓	✓									
12	167	1346	4.092	10	✓			✓	✓									
13	168	1347	6.661	0	✓			✓	✓									
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 290

Cast # down: 15
Cast # up:

Time	LOC	UTC
Begin:		0350
Bottom:		0356
End:		0410

START POSITION (GPS)
LAT: 50° 50.42
LONG: 126° 19.73

BOTTOM POSITION (GPS)
LAT: 50° 50.52
LONG: 126° 19.70

END POSITION (GPS)
LAT: 50° 50.47
LONG: 126° 19.81

ROSETTE LOG

MISSION ID: 2001-33 STATION: F15 CAST NUMBER: 16 UTC DATE (dd/mm/yyyy): 28/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	169	1348	2.805	347	✓ 340	✓	✓	✓										
2	170	1349	2.828	300	✓	✓	✓	✓										
3	171	1350	2.816	250	✓	✓	✓	✓										
4	172	1351	2.903	200	✓		✓	✓										
5	173	1352	2.955	175	✓		✓	✓										
6	174	1353	3.064	150	✓		✓	✓										
7	175	1354	3.162	125	✓		✓	✓										
8	176	1355	—	100	✓		✓	✓										broken stopper
9	177	1356	3.585	75	✓		✓	✓										
10	178	1357	3.832	50	✓		✓	✓										
11	179	1358	3.790	30	✓		✓	✓										
12	180	1359	3.797	20	✓		✓	✓										
13	181	1360	4.051	10	✓		✓	✓										
14	182	1361	5.683	0	✓		✓	✓										
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 347

Cast # down: 16
Cast # up:

Time	LOC	UTC
Begin:		0538
Bottom:		0544
End:		0600

START POSITION (GPS)
LAT: 50° 47.12
LONG: 126° 37.08

BOTTOM POSITION (GPS)
LAT: 50° 47.13
LONG: 126° 36.97

END POSITION (GPS)
LAT: 50° 47.16
LONG: 126° 36.98

ROSETTE LOG

MISSION ID: 2001-33 STATION: RP6 CAST NUMBER: 17 UTC DATE (dd/mm/yyyy): 28/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CHL	SPH			
1	183	1366	3.381	70	✓ 70			✓						✓	✓			
2	184	1365	3.493	50	✓			✓						✓	✓			
3	185	1367	3.537	30	✓			✓						✓	✓			
4	186	1368	3.729	20	✓			✓						✓	✓			
5	187	1369	3.745	10	✓			✓						✓	✓			
6	188	1370	4.540	0	✓			✓						✓	✓			
7																		
8																		
9																		
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Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 73

Cast # down: 17
Cast # up:

Time	LOC	UTC
Begin:		1503
Bottom:		1505
End:		1512

START POSITION (GPS)
LAT: 50° 40.31
LONG: 126° 38.90

BOTTOM POSITION (GPS)
LAT: 50° 40.30
LONG: 126° 38.91

END POSITION (GPS)
LAT: 50° 40.30
LONG: 126° 38.84

ROSETTE LOG

MISSION ID: 2001-33 STATION: RP-5 CAST NUMBER: 18 UTC DATE (dd/mm/yyyy): 28/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	SPM					
1	189	1371	3.311	40	✓ 46		✓					✓	✓					
2	190	1372	3.430	30	✓		✓					✓	✓					
3	191	1373	3.586	20	✓		✓					✓	✓					
4	192	1374	3.888	10	✓		✓					✓	✓					
5	193	1375	4.865	0	✓		✓					✓	✓					
6																		
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Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 48

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1532
Bottom:		1534
End:		1538

START POSITION (GPS)

LAT: 50° 41.08

LONG: 126° 37.37

BOTTOM POSITION (GPS)

LAT: 50° 41.07

LONG: 126° 37.38

END POSITION (GPS)

LAT: 50° 41.06

LONG: 126° 37.37

ROSETTE LOG

MISSION ID: 2001-33 STATION: RP-4³ CAST NUMBER: 19 UTC DATE (dd/mm/yyyy): 28/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	SPH					
1	194	1377	3.461	40	✓ 37		✓					✓	✓					
2	195	1378	3.513	30	✓		✓					✓	✓					
3	196	1379	3.645	20	✓		✓					✓	✓					
4	197	1380	3.889	10	✓		✓					✓	✓					
5	198	1381	4.711	0	✓		✓					✓	✓					
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Comments: Labelled as RP-4, ✓ Labels corrected?

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 43

Cast # down: 19
Cast # up:

Time	LOC	UTC
Begin:		1557
Bottom:		1600
End:		1604

START POSITION (GPS)
LAT: 50° 42.45
LONG: 126° 36.01

BOTTOM POSITION (GPS)
LAT: 50° 42.43
LONG: 126° 36.01

END POSITION (GPS)
LAT: 50° 42.43
LONG: 126° 36.00

ROSETTE LOG

MISSION ID: 2001-33 STATION: RP-3² CAST NUMBER: 20 UTC DATE (dd/mm/yyyy): 28/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
							OXY				ALK		CHL	SPM		
1	199	1383	3.439	40	✓ 46		✓						✓	✓		
2	200	1384	3.524	30	✓		✓						✓	✓		
3	201	1385	3.673	20	✓		✓						✓	✓		
4	202	1386	3.835	10	✓		✓						✓	✓		
5	203	1387	4.812	0	✓		✓						✓	✓		
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24					same											

Comments: labelled as RP-3, ✓ labels corrected?

SHIP: VECTOR
ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 51

Cast # down: 20

Cast # up:

Time	LOC	UTC
Begin:		1625
Bottom:		1627
End:		1632

START POSITION (GPS)
LAT: 50° 42.72
LONG: 126° 35.72

BOTTOM POSITION (GPS)
LAT: 50° 42.72
LONG: 126° 35.72

END POSITION (GPS)
LAT: 50° 42.71
LONG: 126° 35.73

ROSETTE LOG

MISSION ID: 2001-33 STATION: RP-1 CAST NUMBER: 21 UTC DATE (dd/mm/yyyy): 28/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	SPM					
1	204	1389	3.192	75	✓ 78	✓	✓					✓	✓					
2	205	1390	3.333	50	✓		✓					✓	✓					
3	206	1391	3.428	30	✓		✓					✓	✓					
4	207	1392	3.730	20	✓		✓					✓	✓					
5	208	1393	3.946	10	✓		✓					✓	✓					
6	209	1394	4.658	0	✓		✓					✓	✓					
7																		
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Comments: 1 labeled on RP-2, 1 labeled corrected

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 81

Cast # down: 21
Cast # up:

Time	LOC	UTC
Begin:		1655
Bottom:		1658
End:		1704

START POSITION (GPS)
LAT: 50° 43.32
LONG: 126° 34.81

BOTTOM POSITION (GPS)
LAT: 50° 43.33
LONG: 126° 34.82

END POSITION (GPS)
LAT: 50° 43.33
LONG: 126° 34.83

ROSETTE LOG

MISSION ID: 2001-33 STATION: RP-4 CAST NUMBER: 22 UTC DATE (dd/mm/yyyy): 28/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CHL	SPM			
1	210	1395	3.431	40	✓ 41			✓	✓					✓	✓			
2	211	1397	3.540	30	✓			✓	✓					✓	✓			
3	212	1398	3.637	20	✓			✓	✓					✓	✓			
4	213	1399	3.888	10	✓			✓	✓					✓	✓			
5	214	2000	4.856	0	✓			✓	✓					✓	✓			
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24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 47

Cast # down: 22

Cast # up:

Time	LOC	UTC
Begin:		1736
Bottom:		1739
End:		1743

START POSITION (GPS)
LAT: 50° 41.59
LONG: 126° 36.47

BOTTOM POSITION (GPS)
LAT: 50° 41.96
LONG: 126° 36.48

END POSITION (GPS)
LAT: 50° 41.94
LONG: 126° 36.50

ROSETTE LOG

MISSION ID: 2001-33 STATION: URG-1 CAST NUMBER: 23 UTC DATE (dd/mm/yyyy): 29/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	Spm				
1	215	1302	3.572	40	✓	40		✓	✓					✓	✓			
2	216	1303	3.564	30	✓			✓	✓					✓	✓			
3	217	1304	3.668	20	✓			✓	✓					✓	✓			
4	218	1305	4.005	10	✓			✓	✓					✓	✓			
5	219	1306	4.808	0	✓	2.2		✓	✓✓					✓	✓			
6																		
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Comments: using Tutoxy program.

SHIP: VECTOR
ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 44

Cast # down: 23
Cast # up:

Time	LOC	UTC
Begin:		2001
Bottom:		2003
End:		2007

START POSITION (GPS)
LAT: 50° 43.21
LONG: 126° 34.41

BOTTOM POSITION (GPS)
LAT: 50° 43.21
LONG: 126° 34.41

END POSITION (GPS)
LAT: 50° 43.20
LONG: 126° 34.41

ROSETTE LOG

MISSION ID: 2001-33 STATION: URG-2 CAST NUMBER: 24 UTC DATE (dd/mm/yyyy): 29/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	SPN				
1	220	1309	3.615	40	✓ 40		✓	✓✓					✓	✓				
2	221	1310	3.598	30	✓		✓	✓					✓	✓				
3	222	1311	3.700	20	✓		✓	✓					✓	✓				
4	223	1313	3.871	10	✓		✓	✓					✓	✓				
5	224	1314	4.726	0	✓ 0.2		✓	✓					✓	✓				
6																		
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Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 44

Cast # down: 24
Cast # up:

Time	LOC	UTC
Begin:		2101
Bottom:		2103
End:		2107

START POSITION (GPS)
LAT: 50° 43.21
LONG: 126° 34.42

BOTTOM POSITION (GPS)
LAT: 50° 43.21
LONG: 126° 34.41

END POSITION (GPS)
LAT: 50° 43.21
LONG: 126° 34.42

ROSETTE LOG

MISSION ID: 2001-33 STATION: UR6-3 CAST NUMBER: 25 UTC DATE (dd/mm/yyyy): 29/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	SPH				
1	225	1316	3.495	40	✓			✓	✓					✓	✓			
2	226	1317	3.504	30	✓			✓	✓					✓	✓			
3	227	1318	3.632	20	✓			✓	✓					✓	✓			
4	228	1319	3.805	10	✓			✓	✓					✓	✓			
5	229	1320	4.720	0	✓	2.4		✓	✓					✓	✓			
6																		
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Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 43,

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		2203
End:		2207

START POSITION (GPS)
LAT: 50°
LONG: 126°

BOTTOM POSITION (GPS)
LAT: 50°
LONG: 126°

END POSITION (GPS)
LAT: 50° 4320
LONG: 126° 34.39

ROSETTE LOG

MISSION ID: 2001-33 STATION: UR6-4 CAST NUMBER: 26 UTC DATE (dd/mm/yyyy): 29/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	SPN	FIL			
1	230	1322	3.532	40	✓		✓	✓					✓	✓				
2	231	1323	3.535	30	✓		✓	✓					✓	✓				
3	232	1324	3.618	20	✓		✓	✓					✓	✓				
4	233	1325	3.792	10	✓		✓	✓					✓	✓				
5	234	1326	4.655	0	✓ 2.2		✓	✓					✓	✓				
6																		
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Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		2302
End:		

START POSITION (GPS)
LAT: 50° 43.22
LONG: 126° 34.41

BOTTOM POSITION (GPS)
LAT: 50° 43.22
LONG: 126° 34.43

END POSITION (GPS)
LAT: 50°
LONG: 126°

ROSETTE LOG

MISSION ID: 2001-33 STATION: UR6-5 CAST NUMBER: 27 UTC DATE (dd/mm/yyyy): 30/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	SOP	FIL			
1	235	1328	3.531	40	✓			✓	✓				✓	✓				
2	236	1329	3.529	30	✓	✓		✓	✓				✓	✓				
3	237	1330	3.665	20	✓			✓	✓				✓	✓				
4	238	1331	3.796	10	✓			✓	✓				✓	✓				
5	239	1332	4.488	0	✓ 2.2			✓	✓				✓	✓				
6																		
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Comments: an vents given on all bottles

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		0003
End:		0007

START POSITION (GPS)
LAT: 50°
LONG: 126°

BOTTOM POSITION (GPS)
LAT: 50°
LONG: 126°

END POSITION (GPS)
LAT: 50° 43.21
LONG: 126° 34.43

ROSETTE LOG

MISSION ID: 2001-33 STATION: URL6-6 CAST NUMBER: 28 UTC DATE (dd/mm/yyyy): 30/09/2001.

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	SPH				
1	240	1334	3.489	40	✓ 397		✓	✓✓					✓	✓				
2	241	1335	3.504	30	✓		✓	✓					✓	✓				
3	242	1336	3.647	20	✓		✓	✓					✓	✓				
4	243	1337	3.811	10	✓		✓	✓					✓	✓				
5	244	1338	4.489	0	✓ 2.3		✓	✓					✓	✓				
6																		
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Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 40.8

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		0104
End:		

START POSITION (GPS)
LAT: 50°
LONG: 126°

BOTTOM POSITION (GPS)
LAT: 50° 43.21
LONG: 126° 34 37

END POSITION (GPS)
LAT: 50°
LONG: 126°

.6 too slow

ROSETTE LOG

MISSION ID: 2001-33 STATION: UR6-7 CAST NUMBER: 29 UTC DATE (dd/mm/yyyy): 30/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	SPM	FIL			
1	245	1341	3.625	40	✓ 40.4			✓					✓					
2	246	1342	3.541	30	✓			✓					✓					
3	247	1344	3.669	20	✓			✓					✓					
4	248	1345	3.886	10	✓			✓					✓					
5	249	1346	4.774	0	2.0			✓					✓					
6																		
7																		
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24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 40.8

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		0203
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 50 43.22
LONG: 126 34.40

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-33 STATION: RP-2 CAST NUMBER: 30 UTC DATE (dd/mm/yyyy): 30/07/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	SPH	FL			
1	250	1348	3.395	50	✓ 48	✓		✓					✓					
2	251	1349	3.426	40	✓			✓					✓					
3	252	1350	3.546	30	✓			✓					✓					
4	253	1351	3.631	20	✓			✓					✓					
5	254	1352	4.157	10	✓			✓					✓					
6	255	1353	4.707	0	✓ 2.0			✓					✓					
7																		
8																		
9																		
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11								5										
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Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 48.8

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		0227
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 50 42.75
LONG: 126 35.76

END POSITION (GPS)
LAT:
LONG: 23-30

ROSETTE LOG

MISSION ID: 2001-33 STATION: PE4-1 CAST NUMBER: 31 UTC DATE (dd/mm/yyyy): 30/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13			3X				
							OXY			ALK		CHL	SPN	DON					
1	256	1365	2.854	40	✓	40		✓	✓					✓	✓	✓			
2	257	1366	2.955	30	✓			✓	✓					✓	✓	✓			
3	258	1367	3.186	20	✓			✓	✓					✓	✓	✓			
4	259	1368	3.366	10	✓			✓	✓					✓	✓	✓			
5	260	1369	5.928	0				✓	✓					✓	✓	✓			
6																			
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Comments: using test autooxy program.

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 43

Cast # down: 31
Cast # up:

Time	LOC	UTC
Begin:		1429
Bottom:		1432
End:		1437

START POSITION (GPS)
LAT: 50° 40.28
LONG: 126° 29.06

BOTTOM POSITION (GPS)
LAT: 50° 40.28
LONG: 126° 29.04

END POSITION (GPS)
LAT: 50° 40.29
LONG: 126° 29.01

ROSETTE LOG

MISSION ID: 2001-33 STATION: PE4-2 CAST NUMBER: 32 UTC DATE (dd/mm/yyyy): 30/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		3x				
							OXY				ALK		CHL	0.00				
1	261	1371	2.835	40	✓		✓	✓						✓				
2	262	1372	2.952	30	✓		✓	✓						✓				
3	263	1373	3.034	20	✓		✓	✓						✓				
4	264	1374	3.339	10	✓		✓	✓						✓				
5	265	1375	6.010	0	✓ 2.0		✓	✓						✓				
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Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 44.5

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:	15	34
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 50 40.27
LONG: 126 29.01

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-33 STATION: PF4-3 CAST NUMBER: 33 UTC DATE (dd/mm/yyyy): 30/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		3				
							OXY			ALK		CHL	DAW					
1	266	1377	2830	40	✓ 43.		✓	-					✓	✓				
2	267	1378	2876	30	✓		✓	✓					✓	✓				
3	268	1379	3179	20	✓		✓	✓					✓	-				
4	269	1380	3418	10	✓		✓	✓					-	✓				
5	270	1381	5.602	0	✓ 2.2		✓	-					✓	✓				
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SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 45.0

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		1632
End:		1637

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 50 40.29
LONG: 126 29.01

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2001-33 STATION: PE4-4 CAST NUMBER: 34 UTC DATE (dd/mm/yyyy): 30/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		3X				
						OXY				ALK		CHL	DON					
1	271	1383	2.836	40	✓		✓	✓					✓	✓				
2	272	1384	2.854	30	✓		✓	✓					✓	✓				
3	273	1385	3.192	20	✓		✓	✓					✓	✓				
4	274	1386	3.383	10	✓		✓	✓					✓	✓				
5	275	1387	5.316	0	✓ 2.1		✓	✓					✓	✓				
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Comments: tide line more past ship between down and up cast.

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 46.

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		17:32
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 50 40.28
LONG: 126 28.98

END POSITION (GPS)
LAT:
LONG:

< 50% 6.
50-54 3.

ROSETTE LOG

MISSION ID: 2001-34 STATION: PE4-5 CAST NUMBER: 35 UTC DATE (dd/mm/yyyy): 30/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		3x				
							OXY				ALK		CHL	DOWN				
1	276	1389	2.872	40	✓		✓	/						✓	✓			
2	277	1390	2.904	30	✓		✓	✓						✓	✓			
3	278	1391	3.208	20	✓		✓	✓						✓	✓			
4	279	1392	3.343	10	✓		✓	✓						✓	✓			
5	280	1393	5.432	0	✓		✓	✓						✓	✓			
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Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 46.8

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		<u>1832</u>
End:		

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 50 40.28

LONG: 126 29.00

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2001-33 STATION: PE4-6 CAST NUMBER: 36 UTC DATE (dd/mm/yyyy): 30/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		3X				
							OXY			ALK		CHL	2000					
1	281	1395	—	40	✓		✓	✓					✓	✓				flask broke
2	282	1397	2.897	30	✓													
3	283	1398	3.059	20	✓													
4	284	1399	3.337	10	✓													
5	285	2000	4.963	0	✓	2.2	✓	✓					✓	✓				
6																		
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SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 42.5

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1943
Bottom:		1946
End:		

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 50 40.29

LONG: 126 29.00

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2001-33 STATION: PE4-7 CAST NUMBER: 37 UTC DATE (dd/mm/yyyy): 30/09/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		3x				
							OXY			ALK		CHL	Oxy					
1	286	2014	2.899	40	✓		✓	-					✓	✓				
2	287	2015	2.962	30	✓		-	1					1	1				
3	288	2017	3.069	20	✓		-	1					1	1				
4	289	2019	3.341	10	✓		-	1					1	1				
5	290	2025	5.695	0	✓	2.2	-	1					✓	✓				
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Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 47.7

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		2039
End:		

START POSITION (GPS)
LAT: 50 40.30
LONG: 126 28.99

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: STATION: KAI CAST NUMBER: 38 UTC DATE (dd/mm/yyyy): 30/09/2001.

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	291	2032	3.342	40	✓		✓	✓				✓						Test bottle for DON
2	292	2033	3.337	40	✓		✓	✓				✓						
3	293	2035	3.425	30	✓		✓	✓				✓						
4	294	2036	3.470	20	✓		✓	✓				✓						
5	295	2040	3.831	10	✓		✓	✓				✓						
6	296	2043	4.539	0	✓ 2.0		✓	✓				✓						
7																		
8																		
9				40														
10				50														
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Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 259.

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		2143
End:		2147

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 50 38 05

LONG: 126 25 35

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2001-33 STATION: QCS1 CAST NUMBER: 39 UTC DATE (dd/mm/yyyy): 2/10/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	297	1302	2.691	150	✓	154		✓	✓									
2	298	1303	2.823	125	✓			✓	✓									
3	299	1304	2.878	100	✓			✓	✓									
4	300	1305	3.341	75	✓			✓	✓									
5	301	1306	3.876	50	✓			✓	✓									
6	302	1307	4.147	30	✓			✓	✓									
7	303	1309	4.322	20	✓			✓	✓									
8	304	1310	4.360	10	✓			✓	✓									
9	305	1311	4.418	0	✓			✓	✓									
10																		
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Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 159

Cast # down: 39
Cast # up:

Time	LOC	UTC
Begin:		0057
Bottom:		0102
End:		0111

START POSITION (GPS)
LAT: 50° 40.01
LONG: 126° 46.34

BOTTOM POSITION (GPS)
LAT: 50° 40.06
LONG: 126 46.37

END POSITION (GPS)
LAT: 50° 40.13
LONG: 126° 46.67

ROSETTE LOG

MISSION ID: 2001-33 STATION: QCS2 CAST NUMBER: 40 UTC DATE (dd/mm/yyyy): 2/10/2001.

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13							
							OXY				ALK		CHL						
1	306	1313	2417	220	✓	214	✓	✓	✓										
2	307	1314	2435	200	✓		✓	✓	✓										
3	308	1315	2474	175	✓		✓	✓	✓										
4	309	1316	2674	150	✓			✓	✓										
5	310	1317	2997	125	✓														
6	311	1318	3098	100	✓														
7	312	1319	3320	75	✓														
8	313	1320	4220	50	✓														
9	314	1321	4015	30	✓									13650				check flask number	
10	315	1322	4021	20	✓														
11	316	1323	4370	10	✓														
12	317	1324	4433	0	✓	2		✓	✓										
13																			
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Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 223

Cast # down: 40
Cast # up:

Time	LOC	UTC
Begin:		0228
Bottom:		0233
End:		0247

START POSITION (GPS)
LAT: 50° 46.58
LONG: 127° 02.38

BOTTOM POSITION (GPS)
LAT: 50° 46.55
LONG: 127° 02.45

END POSITION (GPS)
LAT: 50° 46.50
LONG: 127° 02.68

ROSETTE LOG

MISSION ID: 2001-33 STATION: QCS3 CAST NUMBER: 41 UTC DATE (dd/mm/yyyy): 02/10/2001.

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	318	1334	2.424	200	✓ 205	✓	✓	✓										
2	319	1335	2.622	175	✓													
3	320	1336	2.880	150	✓													
4	321	1337	2.924	125	✓													
5	322	1338	3.348	100	✓													
6	323	1340	3.864	75	✓													
7	324	1341	4.255	50	✓													
8	325	1342	4.072	30	✓													
9	326	1344	4.303	20	✓													
10	327	1345	4.693	10	✓													
11	328	1346	5.274	0	✓ 1.4		✓	✓										
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Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 211

Cast # down: 41
Cast # up:

Time	LOC	UTC
Begin:		0343
Bottom:		0348
End:		0359

START POSITION (GPS)
LAT: 50° 43.74'
LONG: 127° 14.94'

BOTTOM POSITION (GPS)
LAT: 50° 43.73
LONG: 127° 14.90

END POSITION (GPS)
LAT: 50° 43.73
LONG: 127° 14.79

ROSETTE LOG

MISSION ID: 2001-33 STATION: 2C54 CAST NUMBER: 42 UTC DATE (dd/mm/yyyy): 02/10/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	329	1348	2.055	400	✓ 415	✓		✓										
2	330	1349	2.174	300	✓	✓		✓										
3	331	1350	2.358	250	✓													
4	332	1351	2.493	200	✓													
5	333	1352	2.513	175	✓													
6	334	1353	2.634	150	✓													
7	335	1354	2.818	125	✓													
8	336	1356	3.183	100	✓													
9	337	1357	4.103	75	✓													
10	338	1358	4.540	50	✓													
11	339	1359	4.450	30	✓													
12	340	1360	4.796	20	✓													
13	341	1361	5.088	10	✓													
14	342	1362	5.148	0	✓ 1.9			✓										
15																		
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23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 412

Cast # down: 42
Cast # up:

Time	LOC	UTC
Begin:		0448
Bottom:		0456
End:		0513

START POSITION (GPS)
LAT: 50° 46.63
LONG: 127° 24.25

BOTTOM POSITION (GPS)
LAT: 50° 46.65
LONG: 127° 24.25

END POSITION (GPS)
LAT: 50° 46.73
LONG: 127° 24.16

ROSETTE LOG

MISSION ID: 2001-33 STATION: SS1 CAST NUMBER: 43 UTC DATE (dd/mm/yyyy): 3/10/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	SPM				
1	343	1302	3.078	90	✓ 92		✓						✓	✓				
2	344	1303	3.106	75	✓		✓						✓	✓				
3	345	1304	3.255	50	✓		✓						✓	✓				plot
4	346	1305	3.558	30	✓		✓						✓	✓				
5	347	1306	3.785	20	✓		✓						✓	✓	Sample not drawn for CHL + SPM			
6	348	1307	4.159	10	✓		✓						✓	✓				
7	349	1309	6.049	0	✓ 1.9		✓						✓	✓				44%
8																		
9																		
10																		
11																		
12																		
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22																		
23																		
24																		

Comments:

Gordie Allison

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 100

Cast # down:

Cast # up:

Time

LOC

UTC

Begin: 0146

Bottom: 0148

End: 0155

START POSITION (GPS)

LAT: 50° 50.09

LONG: 126° 29.50

BOTTOM POSITION (GPS)

LAT: 50° 50.09

LONG: 126° 29.49

END POSITION (GPS)

LAT: 50° 50.11

LONG: 126° 29.45

ROSETTE LOG

MISSION ID: 2001-33 STATION: SS2 CAST NUMBER: 44 UTC DATE (dd/mm/yyyy): 03/10/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	SPM					
1	350	1310	3.126	50	✓	47		✓					✓	✓				
2	351	1311	3.481	30	✓			✓					✓	✓				
3	352	1313	3.461	20	✓			✓					✓	✓				
4	353	1314	3.996	10	✓			✓					✓	✓				
5	354	1315	6.012	0	✓	1.9		✓					✓	✓				
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Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 55m

Cast # down: 44

Cast # up:

Time LOC UTC

Begin: 0211

Bottom: 0214

End: 0219

START POSITION (GPS)

LAT: 50° 51.18

LONG: 126° 29.66

BOTTOM POSITION (GPS)

LAT: 50° 51.19

LONG: 126° 29.68

END POSITION (GPS)

LAT: 50° 51.20

LONG: 126° 29.68

ROSETTE LOG

MISSION ID: 2001-33 STATION: GSI CAST NUMBER: 45 UTC DATE (dd/mm/yyyy): 03/10/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	355	1316	3.160	150	✓	152	✓	✓										Root end point
2	356	1317	3.114	125	✓		✓	✓										
3	357	1318	3.153	100	✓			✓										
4	358	1319	3.247	75	✓			✓										
5	359	1320	3.464	50	✓			✓										
6	360	1321	3.605	30	✓			✓										
7	361	1322	3.705	20	✓			✓										
8	362	1323	3.926	10	✓			✓										
9	363	1324	6.045	0	✓	1.8		✓										94%
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24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 151

Cast # down: 45
Cast # up:

Time	LOC	UTC
Begin:		0404
Bottom:		0408
End:		0417

START POSITION (GPS)
LAT: 50° 50.92
LONG: 126° 46.02

BOTTOM POSITION (GPS)
LAT: 50° 50.93
LONG: 126 46.02

END POSITION (GPS)
LAT: 50° 50.92
LONG: 126° 46.05

ROSETTE LOG

MISSION ID: 2001-33 STATION: G52 CAST NUMBER: 46 UTC DATE (dd/mm/yyyy): 3/10/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	364	1325	3.292	55	✓ 52		✓											
2	365	1326	3.405	30	✓		✓											
3	366	1327	3.654	20	✓		✓											
4	367	1328	4.158	10	✓		✓											42
5	368	1329	6.111	0	✓ 2.0		✓											43.7
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SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 60

Cast # down: 46
Cast # up:

Time	LOC	UTC
Begin:		0450
Bottom:		0452
End:		0456

START POSITION (GPS)
LAT: 50° 49.17
LONG: 126° 47.94

BOTTOM POSITION (GPS)
LAT: 50° 49.18
LONG: 126° 47.95

END POSITION (GPS)
LAT: 50° 49.19
LONG: 126° 47.97

Comments: