

ROSETTE LOG

MISSION ID: 2005-30 STATION: S0600 CAST NUMBER: 001 UTC DATE (dd/mm/yyyy): 02/10/2005

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11	2			200			✓											
12	1			250			✓											
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 302

Cast # down: 01

Cast # up: 01

TimeLOCUTC

Begin: 020231

Bottom:

End:

START POSITION (GPS)

LAT: 49° 11.27

LONG: 123° 38.8

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

MISSION ID: 2005-30 STATION: Kn2 CAST NUMBER: 002 UTC DATE (dd/mm/yyyy): 02/10/2005

SHIP:	VECTOR
ENTERED BY:	DJS
CHECKED BY:	

Bottom Depth: 188

Cast # down: 002

Cast # up: 002

Time	LOC	UTC
Begin:	1333	
Bottom:	1345	
End:	1353	

START POSITION (GPS)	
LAT:	50° 39.28
LONG:	126° 11:25

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: TrC2 CAST NUMBER: 007 UTC DATE (dd/mm/yyyy): 02/10/2005

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	13	1301	8.021	0	240			✓										
2	14	1302	4.382	10	190													
3	15	1305	4.552	20	180													STOPPER LOOSE (SHORT CHAIN)
4	16	1306	3.571	30	170													
5	17	1307	3.393	50	150													
6	18	1309	2.882	75	125													
7	19	1310	2.812	100	100													
8	20	1311	2.714	125	75													STOPPER LOOSE (SHORT CHAIN)
9	21	1313	2.590	150	50													
10	22	1314	2.591	~200	0													
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 205

Cast # down: 007
Cast # up: 007

Time	LOC	UTC
Begin:	1655	
Bottom:	1705	
End:	1714	

START POSITION (GPS)
LAT: 50° 49.27
LONG: 126° 12.74

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: Trc 3 CAST NUMBER: 010 UTC DATE (dd/mm/yyyy): 03/10/05

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	24	1192	6.429	0	200													
2	25	1195	4.120	10	190													
3	26	1206	3.690	20	180													
4	27	1212	3.604	30	170													
5	28	1331	3.892	50	150													
6	29	1333	3.203	75	125													
7	30	1344	2.686	100	100													
8	31	1383	2.615	125	75													
9	32	1384	2.568	150	50													
10	33	1398	2.518	200	0													
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY: P.S.

CHECKED BY:

Bottom Depth: 229

Cast # down: 010

Cast # up: 010

Time LOC 071 UTC

Begin: 1923

Bottom:

End: 1947

START POSITION (GPS)

LAT: 50° 48.96

LONG: 126° 25.49

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: K10 CAST NUMBER: 012 UTC DATE (dd/mm/yyyy): 03/10/2005

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	34	1400	6.884	0	305		✓											
2	35	1402	4.079	10	306		✓											
3	36	1403	3.532	20	308		✓											
4	37	1404	3.570	30	308		✓											
5	38	1406	3.342	50	205		✓											
6	39	1410	3.143	75	300		✓											
7	40	1411	2.672	100	205		✓											
8	41	1424	2.460	125	200		✓											
9	42	1425	2.366	150	205		✓											
10	43	1426	2.635	200	175		✓											
11	44	1427	2.794	300	75	✓	✓											Short on water for sal sample
12	45	1428	2.752	375	0	✓	✓											
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY: DS

CHECKED BY:

Bottom Depth: 394

Cast # down: 012

Cast # up: 012

Time	LOC	UTC
Begin:	2053	
Bottom:	2109	
End:		

START POSITION (GPS)

LAT: 50° 51.67

LONG: 126° 37.15

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: Kin 3 CAST NUMBER: 013 UTC DATE (dd/mm/yyyy): 03/10/2005

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	46	1327	7.568	0	200											BUBBLE on Lens
2	47	1329	5.260	10	190											
3	48	1417	3.579	20	180											
4	49	1421	3.378	30	170											
5	50	1435	3.162	50	150											
6	51	1438	2.484	75	125											
7	52	1439	2.058	100	100											
8	53	1440	1.924	125	75											
9	54	1441	1.614	150	50											
10	55	1442	2.611	200	0											
11																
12																
13																
14																
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21																
22																
23																
24																

Comments:

SHIP: VECTOR

ENTERED BY: DS

CHECKED BY:

Bottom Depth: 216

Cast # down: 013

Cast # up: 013

TimeLOCUTC

Begin: 07361436

Bottom: 0746

End:

START POSITION (GPS)

LAT: 50° 55.04

LONG: 126° 15.32

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: W51 CAST NUMBER: 016 UTC DATE (dd/mm/yyyy): 03/10/05

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	57	1462	7.653	0	192													
2	58	1445	4.569	10	182													
3	59	1446	3.972	20	172													
4	60	1447	3.836	30	160													
5	61	1449	3.689	50	140													
6	62	1449	3.103	75	115													
7	63	1450	2.573	100	90													
8	64	1451	2.108	125	65													
9	65	1452	1.946	150	40													
10	66	1453	2.286	190	0													
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY: A.S.

CHECKED BY:

Bottom Depth: 199

Cast # down: 016

Cast # up: 016

Time	LOC	UTC
Begin:	1018	17 18
Bottom:	1030	
End:		

START POSITION (GPS)

LAT: 50 01 03

LONG: 126 31 41

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: K120 CAST NUMBER: 019 UTC DATE (dd/mm/yyyy): 03/10/2005

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	69	1188	7.363	0	175											
2	70	1256	3.793	10	165											
3	71	1267	3.565	20	155											
4	72	1268	3.446	30	146											
5	73	1272	3.391	50	125											
6	74	1273	3.281	75	106											
7	75	1274	2.748	100	87											
8	76	1276	2.454	125	68											
9	77	1278	2.520	150	49											
10	78	1300	2.576	200	145											
11	79	1301	2.741	300	75		✓									
12	80	1302	2.775	375	0		✓									
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: VECTOR

ENTERED BY: DSS

CHECKED BY: HM

Bottom Depth: 400

Cast # down: 019

Cast # up: 019

TimeLOCUTC

Begin: 1237

Bottom: 1255

End: 1310

START POSITION (GPS)

LAT: 50° 51.63

LONG: 126° 37.07

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: WP0.5 CAST NUMBER: 021 UTC DATE (dd/mm/yyyy): 03/10/2005

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	81	1306	4.643	0	150													
2	82	1307	3.749	10	140													
3	83	1309	3.776	20	130													
4	84	1310	3.554	30	125													
5	85	1311	3.661	50	104													
6	86	1313	3.512	75	75													
7	87	1314	3.361	100	50													
8	88	1315	3.352	125	25													
9	89	1317	3.323	150	0													
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY: DJS

CHECKED BY: HM

Bottom Depth: 163

Cast # down: 021

Cast # up: 021

Time	LOC	UTC
Begin:	1430	
Bottom:	1440	
End:	1449	

START POSITION (GPS)

LAT: 50° 52.80

LONG: 126° 53.31

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: QCS2 CAST NUMBER: 023 UTC DATE (dd/mm/yyyy): 03/10/2005

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	90	1327	4.534	0	200											
2	91	1329	4.330	10	190											
3	92	1417	4.251	20	180											
4	93	1421	3.989	30	170											
5	94	1435	3.348	50	150											
6	95	1438	2.744	75	125											
7	96	1439	2.497	100	100											
8	97	1440	2.457	125	75											
9	98	1441	2.332	150	50											
10	99	1442	2.351	200	0											
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: VECTOR

ENTERED BY: DS

CHECKED BY:

Bottom Depth: 226

Cast # down: 023

Cast # up: 023

Time	LOC	UTC
Begin:	1552	2252
Bottom:	1601	
End:	1609	

START POSITION (GPS)

LAT: 50° 46.58

LONG: 126° 02.36

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: QCS1 CAST NUMBER: 025 UTC DATE (dd/mm/yyyy): 04/10/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3				
							OXY			ALK		CHL				
1	100	1462	3.787	0	145											
2	101	1445	3.733	10	130											
3	102	1446	3.666	20	120											
4	103	1447	3.660	30	110											
5	104	1448	3.307	50	90											
6	105	1449	2.709	75	65											
7	106	1450	2.567	100	40											
8	107	1451	2.449	125	15											
9	108	1452	2.433	140	0											
10																
11																
12																
13																
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17																
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22																
23																
24																

Comments:

SHIP: VECTOR
ENTERED BY: DS
CHECKED BY:

Bottom Depth: 155

Cast # down: 025
Cast # up: 025

Time	LOC	UTC
Begin:	1740	0040
Bottom:	1752	
End:	1800	

START POSITION (GPS)
LAT: 50 40 11
LONG: 126 46 36

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: Kn1 CAST NUMBER: 027 UTC DATE (dd/mm/yyyy): 04/10/2005

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	109	1192	6.972	0	200												
2	110	1195	3.875	10	190												
3	111	1206	3.519	20	180												
4	112	1212	3.350	30	175												
5	113	1331	3.474	50	150												
6	114	1333	2.964	75	125												
7	115	1344	2.864	100	100												
8	116	1383	2.798	125	75												
9	117	1384	2.774	150	5												
10	118	1398	2.734	200	0												
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

SHIP: VECTOR

ENTERED BY: AS

CHECKED BY:

Bottom Depth: 257

Cast # down: 027

Cast # up: 027

Time	LOC	UTC
Begin:	0840	1540
Bottom:	0850	
End:	0900	

START POSITION (GPS)

LAT: 50 38.09

LONG: 126 25.31

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: PE-7km CAST NUMBER: 028 UTC DATE (dd/mm/yyyy): 04/10/2005

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	119	1400	7.190	0	100													
2	120	1402	4.091	10	90													
3	121	1403	3.543	20	80													
4	122	1404	3.433	30	70													
5	123	1406	3.428	40	60													
6	124	1410	3.318	50	50													
7	125	1411	3.031	75	25													
8	126	1424	2.802	100	0													
9																		
10																		
11																		
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23																		
24																		

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 130

Cast # down: 028

Cast # up: 028

TimeLOCUTC

Begin: 09221622

Bottom: 0929

End: 0934

START POSITION (GPS)

LAT: 503932

LONG: 1262524

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: PE-5/km CAST NUMBER: 030 UTC DATE (dd/mm/yyyy): 04/10/2005

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	127	1426	7.365	0														
2	128	1427	4.317	10														
3	129	1428	3.650	20														
4	130	1429	3.317	30														
5	131	1430	3.084	40														
6	132	1431	3.139	50														
7	133	1432	2.987	75														
8	134	1433	2.743	100														
9																		
10																		
11																		
12																		
13																		
14																		
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16																		
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21																		
22																		
23																		
24																		

Comments: *NP CTD CAST see coms 035 for CTD data

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 133

Cast # down: 030

Cast # up: 030

TimeLOCUTC

Begin: 10051705

Bottom: 1011

End: 1017

START POSITION (GPS)

LAT: 503989

LONG: 1262661

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: PE-3km CAST NUMBER: 032 UTC DATE (dd/mm/yyyy): 04/10/2005

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	135	1188	7.496	0	50			✓										
2	136	1256	4.812	10	40													
3	137	1267	3.516	20	30													
4	138	1268	3.155	30	20													
5	139	1272	3.207	40	10													
6	140	1273	3.123	50	0			✓										
7																		
8																		
9																		
10																		
11																		
12																		
13																		
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16																		
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22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 64

Cast # down: 032

Cast # up: 032

TimeLOCUTC

Begin: 10511751

Bottom: 1055

End: 1059

START POSITION (GPS)

LAT: 50° 40.33

LONG: 126° 28.29

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: PE-1km CAST NUMBER: 033 UTC DATE (dd/mm/yyyy): 04/10/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION			Samples taken												
				Sample Depth	Confirmed		SAL		NUT		TCO		C13						
						pressure		OXY				ALK		CHL					
1	141	1276	7.590	0	20	0			✓										
2	142	1278	4.313	10	10	10			↓										
3	143	1300	3.342	20	0	20			↓										
4																			
5																			
6																			
7																			
8																			
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22																			
23																			
24																			

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 32

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:	1856	1856
Bottom:	1158	
End:		

START POSITION (GPS)

LAT: 50° 40.09

LONG: 126° 29.87

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: CC1 CAST NUMBER: 036 UTC DATE (dd/mm/yyyy): 04/10/2005

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	144	1302	6.310	0	100													
2	145	1305	4.528	10	90													
3	146	1306	3.672	20	80													
4	147	1307	3.208	30	70													
5	148	1309	2.815	50	50													
6	149	1310	2.903	75	25													
7	150	1311	2.874	100	0													
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
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19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 117

Cast # down: 036

Cast # up: 036

TimeLOCUTC

Begin: 13192019

Bottom: 1324

End: 1328

START POSITION (GPS)

LAT: 50° 36.26

LONG: 126° 21.44

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: SWL CAST NUMBER: 039 UTC DATE (dd/mm/yyyy): 04/10/2005

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	151	1314	4.038	0	56													
2	152	1315	3.752	10	40													
3	153	1317	3.765	20	30													
4	154	1318	3.724	30	20													
5	155	1319	3.507	50	6													
6				6														
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 80

Cast # down: 039

Cast # up: 039

TimeLOCUTC

Begin: 16102310

Bottom: 1613

End: 1616

START POSITION (GPS)

LAT: 50°38.10

LONG: 126°41.15

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: K 11 CAST NUMBER: 040 UTC DATE (dd/mm/yyyy): 05/10/2005

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	1327	8.896	0	200													*SILT IN SAMPLE-77.7%
2	157	1329	4.452	10	170													
3	158	1417	4.306	20	180													
4	159	1421	4.120	30	170													
5	160	1435	3.517	50	150													
6	161	1438	3.166	75	125													
7	162	1439	3.004	100	100													
8	163	1440	2.944	125	75													
9	164	1441	2.901	150	50													
10	165	1442	2.771	200	0													
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: * - GLACIAL FLOUR IN VERY FRESH WATER 77.7% = TOP CLARITY / END POINT

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 223

Cast # down: 040

Cast # up: 040

Time

LOC

UTC

Begin: 0734 1437

Bottom: 0743

End: 0752

START POSITION (GPS)

LAT: 51° 02.48

LONG: 125° 33.97

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: Kn 8 CAST NUMBER: 043 UTC DATE (dd/mm/yyyy): 05/10/2005

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	167	1462	8.528	0	520													SILT in SAMPLE *
2	168	1445	4.414	10	490													
3	169	1446	4.354	20	480													
4	170	1447	4.168	30	470													
5	171	1448	3.588	50	450													
6	172	1449	3.278	75	425													
7	173	1450	3.139	100	400													
8	174	1451	3.043	125	375													
9	175	1452	3.009	150	350													
10	176	1453	3.025	200	300													
11	177	1454	2.942	300	200													
12	178	1456	3.154	475	0													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: * GLACIAL FLOUR - VERY FRESH WATER - 86.0 % TOP CLARITY / END POINT

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 490

Cast # down: 043

Cast # up: 043

Time

LOC

UTC

Begin: 1000 1700

Bottom: 1017

End: 1032

START POSITION (GPS)

LAT: 50° 52.30'

LONG: 125 38.72

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: K45 CAST NUMBER: 046 UTC DATE (dd/mm/yyyy): 05/10/2005

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	181	1188	6.526	0	350													
2	182	1256	4.009	10	340													
3	183	1267	3.994	20	330													
4	184	1268	3.915	30	320													
5	185	1272	3.463	50	305													
6	186	1273	3.270	75	275													
7	187	1274	3.194	100	250													
8	188	1276	3.234	125	225													
9	189	1278	3.241	150	200													
10	190	1300	3.215	200	150													
11	191	1301	3.170	300	50		✓											
12	192	1302	3.125	350	0		✓											
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 400

Cast # down: 046

Cast # up: 046

Time

LOC

UTC

Begin: 1247 1947

Bottom: 1259

End: 1309

START POSITION (GPS)

LAT: 50° 41.55

LONG: 125° 47.09

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: KN1 CAST NUMBER: 050 UTC DATE (dd/mm/yyyy): 05/10/2005

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	193	1306	6.459	0	200														
2	194	1307	4.516	10	190														
3	195	1309	3.831	20	180														
4	196	1310	3.482	30	170														
5	197	1311	3.249	50	150														
6	198	1313	3.150	75	125														
7	199	1314	2.935	100	100														
8	200	1315	2.757	125	75														
9	201	1317	2.756	150	50														
10	202	1318	2.734	200	0														
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 259

Cast # down: 050
Cast # up: 050

Time LOC UTC
Begin: 1609 2309
Bottom: 1615
End: 1622

START POSITION (GPS)
LAT: 50° 38.07
LONG: 126° 25.35

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: BIS CAST NUMBER: 052 UTC DATE (dd/mm/yyyy): 6/10/2005

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	203	1327	4.148	0	100													
2	204	1329	3.674	10	90													
3	205	1417	3.546	20	80													
4	206	1421	3.224	30	70													
5	207	1435	2.921	50	50													
6	208	1438	2.811	75	25													
7	209	1439	2.696	100	0													
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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16																		
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18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 145

Cast # down: 052

Cast # up: 052

Time	LOC	UTC
Begin:	0732	1432
Bottom:	0739	
End:		

START POSITION (GPS)

LAT: 50° 36.02

LONG: 126° 43.66

BOTTOM POSITION (GPS)

LAT: 50° 36.04

LONG: 126° 43.67

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2005-30 STATION: QCS1.5 CAST NUMBER: 054 UTC DATE (dd/mm/yyyy): 06/10/2005

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	210	1441	4.240	0	125													
2	211	1442	4.199	10	115													
3	212	1443	4.199	20	105													
4	213	1445	4.093	30	95													
5	214	1446	3.844	50	75													
6	215	1447	3.096	75	50													
7	216	1448	2.518	100	25													
8	217	1449	2.495	125	0													
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 141

Cast # down: 054

Cast # up: 054

TimeLOCUTC

Begin: 09021602

Bottom: 0909

End: 0915

START POSITION (GPS)

LAT: 50°42.95

LONG: 126°55.37

BOTTOM POSITION (GPS)

LAT: 50°42.97

LONG: 126°55.59

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30

STATION: QCS3

CAST NUMBER: 056*

UTC DATE (dd/mm/yyyy): 06/10/2005

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	220	1451	4.664	0	200													
2	221	1452	4.631	10	191													
3	222	1453	4.291	20	183													
4	223	1454	4.300	30	176													
5	224	1456	4.355	50	159													
6	225	1457	3.442	75	125													
7	226	1458	3.332	100	100													
8	227	1459	2.969	125	75													
9	228	1460	2.792	150	50													
10	229	1461	2.509	200	0	✓	✓											
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 212

Cast # down: 056

Cast # up: 056

TimeLOCUTC

Begin: 11201820

Bottom: 1128

End: 1137

START POSITION (GPS)

LAT: 50°43.79

LONG: 127°14.90

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: QCS5 CAST NUMBER: 059 UTC DATE (dd/mm/yyyy): 06/10/2005

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	231	1198	4.650	0	125											
2	232	1256	4.532	10	125											
3	233	1267	4.496	20	105											
4	234	1268	4.274	30	95											
5	235	1272	3.922	50	25											
6	236	1273	3.365	75	50											
7	237	1274	2.890	100	25											
8	238	1276	2.602	125	0											
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 149

Cast # down: 059

Cast # up: 059

Time	LOC	UTC
Begin:	1325	20 25
Bottom:	1331	
End:	1336	

START POSITION (GPS)

LAT: 50° 49.37

LONG: 127° 12.11

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: G0Ch CAST NUMBER: 061 UTC DATE (dd/mm/yyyy): 06/10/2005

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	239	1300	5.446	0	500													
2	240	1301	5.368	10	375													
3	241	1302	4.711	20	335													
4	242	1305	4.518	30	325													
5	243	1306	4.329	50	350													
6	244	1307	4.173	75	325													
7	245	1309	4.153	100	300													
8	246	1310	4.178	125	275													
9	247	1311	4.086	150	250													
10	248	1313	3.023	200	200													
11	249	1314	2.534	300	100													
12	250	1315	2.300	400	0													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 480

Cast # down: 061
Cast # up: 061

Time	LOC	UTC
Begin:	1538	2238
Bottom:	1551	
End:	1602	

START POSITION (GPS)
LAT: 500 53.86
LONG: 1270 38.50

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2005-30 STATION: F250 CAST NUMBER: 063 UTC DATE (dd/mm/yyyy): 07/10/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
							OXY			ALK		CHL						
1	252	1327	4.802	0	300													
2	253	1329	4.028	10	290													
3	254	1417	3.820	20	280													
4	255	1421	3.631	30	270													
5	256	1435	3.416	50	250													
6	257	1438	3.306	75	225													
7	258	1439	2.993	100	200													
8	259	1440	2.836	125	175													
9	260	1441	2.729	150	150													
10	261	1442	2.684	200	100													
11	262	1443	2.641	300	0		✓	✓										
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 323

Cast # down: 063
Cast # up: 063

Time	LOC	UTC
Begin:	0742	1442
Bottom:	0754	
End:	0804	

START POSITION (GPS)
LAT: 50° 45.51
LONG: 126° 44.15

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2005-30 STATION: RaP CAST NUMBER: 065 UTC DATE (dd/mm/yyyy): 07/10/2005

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	263	1446	6.135	0	0													
2	264	1447	4.159	10	10													
3	265	1448	3.929	20	20													
4	266	1449	3.777	30	30													
5	267	1450	3.731	50	50													
6	268	1451	3.457	75	75													
7	269	1452	3.164	100	100													
8	270	1453	2.856	125	75													
9	271	1454	2.786	150	50													
10	272	1456	3.537	200	0													BUBBLE ON LENS
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 237

Cast # down: 065

Cast # up: 065

Time	LOC	UTC
Begin:	0925	1625
Bottom:	0933	
End:	0941	

START POSITION (GPS)

LAT: 50° 46.48

LONG: 126° 30.36

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: K120 CAST NUMBER: 066 UTC DATE (dd/mm/yyyy): 07/10/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
1	273	1188	6.396	0	400													
2	274	1256	3.750	10	391													
3	275	1267	3.441	20	381													
4	276	1268	3.268	30	376													
5	277	1272	3.351	50	358													
6	278	1273	3.212	75	325													
7	279	1274	2.606	100	300													
8	280	1276	2.455	125	275													
9	281	1278	2.381	150	250													
10	282	1300	2.618	200	206													
11	283	1301	2.755	300	100													
12	284	1302	2.747	400	0													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 404

Cast # down: 066

Cast # up: 066

Time	LOC	UTC
Begin:	1029	1729
Bottom:	1041	
End:	1053	

START POSITION (GPS)

LAT: 50° 51.72

LONG: 126° 37.22

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2005-30 STATION: TNC3 CAST NUMBER: 068 UTC DATE (dd/mm/yyyy): 07/10/2005

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	285	1306	5.050	0	200													
2	286	1307	4.375	10	190													BUBBLE ON LENS
3	287	1309	3.977	20	180													
4	288	1310	3.671	30	170													
5	289	1311	3.502	50	150													
6	290	1318	3.362	75	125													
7	291	1313	3.117	100	100													
8	292	1314	2.732	125	75													
9	293	1315	2.615	150	50													
10	294	1317		200	0													
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 234

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:	1204	1904
Bottom:	1212	
End:	1218	

START POSITION (GPS)

LAT: 50° 48.99

LONG: 126° 25.38

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2005-30 STATION: TRC 1.5 CAST NUMBER: 072 UTC DATE (dd/mm/yyyy): 07/10/2005

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	295	1327	6.024	0	200													
2	296	1329	4.022	10	190													
3	297	1417	3.392	20	180													
4	298	1421	3.528	30	170													BUBBLE ON LENS
5	299	1435	3.260	50	150													
6	300	1438	2.962	75	125													
7	301	1439	2.746	100	100													
8	302	1440	2.598	125	75													
9	303	1441	2.619	150	50													
10	304	1442	2.577	200	0													
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 213

Cast # down: 072
Cast # up:

Time	LOC	UTC
Begin:	1506	2206
Bottom:	1515	
End:		

START POSITION (GPS)
LAT: 50° 45.60
LONG: 126° 08.94

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2005-30 STATION: Kn2 CAST NUMBER: 076 UTC DATE (dd/mm/yyyy): 08/10/2005

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	1445	6.352	0	150													
2	307	1446	3.644	10	140													
3	308	1447	3.535	20	130													
4	309	1448	3.368	30	120													CALL TO 307
5	310	1449	3.189	50	100													
6	311	1450	3.372	75	75													
7	312	1451	2.856	100	50													
8	313	1452	2.761	125	25													
9	314	1453	2.709	150	0													
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 188

Cast # down: 076

Cast # up: 076

Time	LOC	UTC
Begin:	1749	0049
Bottom:	1755	
End:	1802	

START POSITION (GPS)

LAT: 50° 39.31

LONG: 126° 11.02

BOTTOM POSITION (GPS)

LAT: 50° 39.29

LONG: 126° 11.13

END POSITION (GPS)

LAT:

LONG:

Comments: