

ROSETTE LOG

MISSION ID: 2004-09 STATION: SI03 CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 25/05/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		6N					
1	1			145	✓ 146			✓						✓					
2	2			140	✓ 140														
3	3			138	✓ 138														
4	4			136	✓ 136														
5	5			134	✓ 134.3														
6	6			132	✓ 132.1														
7	7			130	✓ 130.1														
8	8			128	✓ 128.2														
9	9			126	✓ 126.2														
10	10			124	✓ 124.1														
11	11			122	✓ 122														
12	12			120	✓ 120.3														
13	13			118	✓ 118.2														
14	14			116	✓ 116.2														
15	15			114	✓ 114.2														
16	16			112	✓ 112.2														
17	17			110	✓ 110.2														
18	18			108	✓ 108.2														
19	19			106	✓ 105.6														
20	20			104	✓ 104.0														
21	21			102	✓ 102.2														
22	22			100	✓ 100.4														
23	23			95	✓ 95.1														
24	24			90	- 96.0			✓						✓					

Comments: Test of Arctic Rosette. UBC + UVIC are sampling this rosette.

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 226

Cast # down: 1
Cast # up: 1

Time	LOC	UTC
Begin:		23:20
Bottom:		23:27
End:		24:00

START POSITION (GPS)
LAT: 48 35.70
LONG: 123 30.17

BOTTOM POSITION (GPS)
LAT: 48 35.62
LONG: 123 29.90

END POSITION (GPS)
LAT: 48 35.58
LONG: 123 30.08

ROSETTE LOG

MISSION ID: 2004-09 STATION: SIO3 CAST NUMBER: 2 UTC DATE (dd/mm/yyyy): 26/05/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		S		Mchl		
							OXY			ALK		CHL			SN			
1	25	1228	0.023	Bt-S	/ 215	/	/	/				/	/			/		Anoxic - Stinky
2	26	1231	0.177	200	/ 200	/	/	/				/	/			/		" "
3	27	1233	0.067	175	/ 125	/	/	/				/	/			/		" "
4	28	1235	0.067	150	/ 150	/	/	/				/	/			/		2 bottles at 150
5	29	1237	0.245	125	/ 150	/	/	/				/	/			/		
6	30	1238	0.034	100	/ 125	/	/	/				/	/			/		
7	31	1241	0.466	100	/ 100	/	/	/				/	/			/		
8	32	1247	0.503	75	/ 100	/	/	/				/	/			/		
9	33	1248	3.313	50	/ 75	/	/	/				/	/			/		
10	34	1256	4.644	25	/ 50	/	/	/				/	/			/		
11	35	1258	4.995	10	/ 25	/	/	/				/	/			/		
12	36	1260	6.497	5	/ 10	/	/	/				/	/			/		
13	37	1267	9.379	0	/ 5	/	x	x				/	/			/		
14	38				/ 0	/						/	/			/		Not Sampled?
15																		
16																		
17																		
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22																		
23																		
24																		

Comments:

SHIP: JOHN P TULLY
ENTERED BY:
CHECKED BY:

Bottom Depth: 226

Cast # down: 2
Cast # up: 2

Time	LOC	UTC
Begin:		01:03
Bottom:		01:09
End:		01:27

START POSITION (GPS)
LAT: 48 35.48
LONG: 123 30.28

BOTTOM POSITION (GPS)
LAT: 48 35.41
LONG: 123 30.24

END POSITION (GPS)
LAT: 48 35.46
LONG: 123 30.38

ROSETTE LOG

MISSION ID: 7004-09 STATION: E1 CAST NUMBER: 003 UTC DATE (dd/mm/yyyy): 26 05 2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	NH4	TCO		C13		CDOM				
						✓	OXY	✓			ALK		CHL					
1	39	1336	2.498	604-5	100	✓												
2	40	1334	2.725	75	75	✓												
3	41	1340	3.689	50	48	✓			✓				✓					
4	42	1344	4.238	30	30			✓					✓					
5	43	1350	5.687	20	19								✓					
6	44	1351	6.361	10	9				✓				✓					
7	45	1352	7.203	5	4				✓				✓	✓				
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Comments: _____

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 108

Cast # down: 003
Cast # up: 003

Time	LOC	UTC
Begin:	<u>0757</u>	<u>1457</u>
Bottom:	<u>0808</u>	<u>1508</u>
End:	<u>0819</u>	<u>1519</u>

START POSITION (GPS)
LAT: 48 31 675
LONG: 125 03 388

BOTTOM POSITION (GPS)
LAT: 48 31 692
LONG: 125 03 426

END POSITION (GPS)
LAT: 48 31 709
LONG: 125 03 536

ROSETTE LOG

MISSION ID: 2004-09 STATION: C2 CAST NUMBER: 006 UTC DATE (dd/mm/yyyy): 26.05.04

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CDW				
							OXY		NH4		ALK		CHL					
1	46	1353	1.664	105	150	✓	✓											
2	47	364	2.314	75	75													
3	48	1130	3.372	50	49			✓				✓						
4	49	535	4.321	30	29							✓						
5	50	572	4.838	20	19				✓			✓						
6	51	1389	6.381	10	10				✓			✓						
7	52	708	6.994	5	5				✓			✓	✓					
8																		
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Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 160

Cast # down: 006
Cast # up:

Time	LOC	UTC
Begin:	1059	1759
Bottom:	1106	1806
End:	1115	1815

START POSITION (GPS)
LAT: 48 25 463
LONG: 125 08 007

BOTTOM POSITION (GPS)
LAT: 48 25 463
LONG: 125 08 080

END POSITION (GPS)
LAT: 48 25 469
LONG: 125 08 118

ROSETTE LOG

MISSION ID: 105 2004-09 STATION: C3 CAST NUMBER: 8 UTC DATE (dd/mm/yyyy): 26/5/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CDM				
1	53	1135	1.952	0-5	✓ 115	✓	✓	✓										
2	54	1176	1.833	100	✓ 100	✓	✓	✓										
3	55	1136	3.212	75	✓ 73		✓	✓										
4	56	1137	6.245	50	✓ 50		✓	✓					✓					
5	57	657	6.119	30	✓ 29		✓	✓					✓					
6	58	1391	6.076	20	✓ 20		✓	✓	✓				✓					
7	59	1393	6.858	10	✓ 10		✓	✓	✓				✓					
8	60	1400	7.047	5	✓ 6	✓	✓	✓	✓				✓	✓				
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SHIP: Tully
 ENTERED BY:
 CHECKED BY:

Bottom Depth: 120

Cast # down: 8
 Cast # up: 8

Time	LOC	UTC
Begin:		1932
Bottom:		1935
End:		1947

START POSITION (GPS)
 LAT: 48° 23.42
 LONG: 125° 20.69

BOTTOM POSITION (GPS)
 LAT: 48° 23.44
 LONG: 125° 20.71

END POSITION (GPS)
 LAT: 48° 23.45
 LONG: 125° 20.78

Comments:

ROSETTE LOG

WHITE RACK

MISSION ID: 2004-09 STATION: LC11 CAST NUMBER: 27 UTC DATE (dd/mm/yyyy): 27/05/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	NH4	CO3			
1	65	1228	6.752	605	✓	1478												
2	66	1231	1.128	1250	✓													
3	67	1233	0.264	1000	✓	1001												
4	68	1235	0.215	800	✓	802												
5	69	1237	0.324	600	✓	600												
6	70	1238	0.842	400	✓	400												
7	71	1241	1.505	306	✓	300												
8	72	1247	2.460	250	✓	250												
9	73	1248	2.552	200	✓	200												
10	74	1256	2.766	175	✓	174												
11	75	1258	3.230	150	✓	150												
12	76	1260	4.086	125	✓	125												
13	77	1267	5.641	100	✓	100							✓					
14	78	1268	5.650	75	✓	700							✓					
15	79	1270	6.303	50	✓	75							✓					
16	80	1271	6.419	30	✓	50							✓	✓				
17	81	1272	6.925	20	✓	30							✓	✓				
18	82	1273	6.925	10	✓	20							✓	✓				
19	83	1274	6.286	5	✓	10							✓	✓	✓			
20	84	1276	6.245	1		5							✓	✓	✓			
21			6.254															
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 2721 1485

Cast # down: 27
Cast # up: 27

Time	LOC	UTC
Begin:		1232
Bottom:		1256
End:		1337

START POSITION (GPS)
LAT: 48 18 93
LONG: 126 46 44

BOTTOM POSITION (GPS)
LAT: 48 18 99
LONG: 126 26 71

END POSITION (GPS)
LAT: 48 18 .99
LONG: 126 26 .74

ROSETTE LOG

MISSION ID: 2004-09 STATION: LC9 CAST NUMBER: 30 UTC DATE (dd/mm/yyyy): 27 05 2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CDom				
						OXY		NH4		ALK		CHL						
1	85	1432	0.325	Bot -10	✓	609	✓	✓	✓									
2	86	1433	0.862	400	✓	400	✓											
3	87	1434	0.838	400	✓	400	✓											
4	88	1435	1.324	300	✓	301	✓											
5	89	1437	1.784	250	✓	250	✓											
6	90	1438	2.137	200	✓	198												
7	91	1439	2.414	175	✓	173												
8	92	1440	2.795	150	✓	149			✓									
9	93	1441	3.028	125	✓	123												
10	94	1442	3.941	100	✓	98												
11	95	1443	4.613	75	✓	73												
12	96	1444	5.785	50	✓	48						✓						
13	97	1445	5.481	30	✓	30				✓		✓						
14	98	1446	6.613	20	✓	20				✓		✓						
15	99	1447	6.408	10	✓	10				✓		✓						
16	100	1448	6.391	5	✓	5	✓	✓	✓	✓		✓	✓					
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24																		

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 618

Cast # down: 30

Cast # up:

Time	LOC	UTC
Begin:	0828	1528
Bottom:	0837	1537
End:	0907	1607

START POSITION (GPS)

LAT: 48 25 974

LONG: 126 13 770

BOTTOM POSITION (GPS)

LAT: 48 25 932

LONG: 126 13 789

END POSITION (GPS)

LAT: 48 25 817

LONG: 126 13 728

Comments:

ROSETTE LOG

MISSION ID: 2004-09 STATION: LCO8 CAST NUMBER: 35 UTC DATE (dd/mm/yyyy): 27/5/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		AB		C13						
							OXY		chl	NH4	ALK		CHL	CDM				
1	102	1334	B-5	1.881	✓ 192	✓												
2	103	1336	175	1.881	✓ 174	✓												
3	104	1344	150	2.201	✓ 153													
4	105	1319	125	3.128	✓ 125													
5	106	1350	100	3.476	✓ 100													
6	107	1351	75	5.336	✓ 74													
7	108	1352	50	6.392	✓ 50				✓									
8	109	1353	30	6.466	✓ 30				✓									
9	110	1130	20	6.302	✓ 20				✓	✓								
10	111	364	10	6.391	✓ 10				✓	✓								
11	112	535	5	6.304	✓ 4	✓	✓	✓	✓	✓				✓				
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Comments:

SHIP: JOHN P. RULLY
ENTERED BY:
CHECKED BY:

Bottom Depth: 198

Cast # down: 35
Cast # up:

Time	LOC	UTC
Begin:		1950
Bottom:		1955
End:		2008

START POSITION (GPS)
LAT: 48° 29.51
LONG: 126° 06.98

BOTTOM POSITION (GPS)
LAT: 48° 29.47
LONG: 126° 07.03

END POSITION (GPS)
LAT: 48° 29.43
LONG: 126° 07.10

ROSETTE LOG

MISSION ID: 2004-09 STATION: LCO7 CAST NUMBER: 38 UTC DATE (dd/mm/yyyy): 27/5/04

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY		Nut		ALK		CHL					
1	113	572	1.971	130+5	✓ 125	✓	✓	✓										
2	114	1389	2.673	100	✓ 100	✓	✓	✓										
3	115	708	3.668	75	✓ 74			✓										
4	116	1135	3.984	50	✓ 49								✓					
5	117	1176	4.592	30	✓ 30								✓					
6	118	1137	5.299	20	✓ 20					ex/10			✓					
7	119	1136	6.731	10	✓ 10					✓			✓					
8	120	1391	6.761	5		✓	✓	✓	✓				✓					
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Comments:

SHIP:

ENTERED BY: Doug

CHECKED BY:

Bottom Depth: 130

Cast # down: 38

Cast # up: 38

Time	LOC	UTC
Begin:		2130
Bottom:		2134
End:		

START POSITION (GPS)

LAT: 48 33.04

LONG: 126 00.46

BOTTOM POSITION (GPS)

LAT: 48 33.05

LONG: 126 0.46

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2004-09 STATION: LCO4 CAST NUMBER: 45 UTC DATE (dd/mm/yyyy): 29 27/05/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	NH4	CO2				
1	123	1337	3.007	Bot-10	✓ 157													
2	124	1386	3.333	125	✓ 128													
3	125	1461	3.232	100	✓ 102													
4	126	1481	3.335	75	✓ 75													
5	127	1402	3.603	50	✓ 50							X						
6	128	1335	3.989	30	✓ 30							X	X					
7	129	1225	4.386	20	✓ 20							X	X					
8	130	1320	8.044	10	✓ 10							X	X					
9	131	1368	7.854	5	✓ 5							X	X	X				
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Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 168

Cast # down: 45
Cast # up: 45

Time	LOC	UTC
Begin:		0153
Bottom:		0157
End:		0208

START POSITION (GPS)
LAT: 48 43.41
LONG: 125 40.75

BOTTOM POSITION (GPS)
LAT: 48 43.46
LONG: 125 40.75

END POSITION (GPS)
LAT: 48 43.38
LONG: 125 40.74

ROSETTE LOG

MISSION ID: 2004 09 STATION: LC 2 CAST NUMBER: 48 UTC DATE (dd/mm/yyyy): 28/05/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	U4	5m				
1	133	1325	3.102	B-10	90													
2	134	1278	3.438	75	73													
3	135	1279	3.881	50	50								x					
4	136	1280	4.159	30	30								x	x				
5	137	1281	5.200	20	18								x	x				
6	138	1284	6.470	10	9								x	x				
7	139	1324	8.173	5	5	✓	✓	✓					x	x	x			
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Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 100

Cast # down: 48
Cast # up: 48

Time	LOC	UTC
Begin:	2035	0335
Bottom:	2038	0338
End:	2050	0350

START POSITION (GPS)
LAT: 48 48 732
LONG: 125 30 859

BOTTOM POSITION (GPS)
LAT: 48 48 714
LONG: 125 30 874

END POSITION (GPS)
LAT: 48 48 713
LONG: 125 30 911

ROSETTE LOG

MISSION ID: 2004-09 STATION: LC1 CAST NUMBER: 49 UTC DATE (dd/mm/yyyy): 28/05/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CDOM				
1	140	1360	2.891	Bot-5	✓ 87	✓	✓	✓										
2	141	1471	3.244	75	✓ 75	✓	✓	✓										
3	142	1379	3.812	50	✓ 48	✓	✓	✓					✓					
4	143	1374	4.269	30	✓ 29	✓	✓	✓					✓					
5	144	1373	5.261	20	✓ 19	✓	✓	✓					✓					
6	145	1376	8.159	10	✓ 11	✓	✓	✓					✓					
7	146	1394	8.983	5	✓ 4	✓	✓	✓	✓				✓	✓				
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Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 97

Cast # down: 49
Cast # up:

Time	LOC	UTC
Begin:	2119	0419
Bottom:	2122	0422
End:	2131	0431

START POSITION (GPS)
LAT: 48 50 438
LONG: 125 27 666

BOTTOM POSITION (GPS)
LAT: 48 50 410
LONG: 125 27 695

END POSITION (GPS)
LAT: 48 50 453
LONG: 125 27 728

ROSETTE LOG

MISSION ID: 2004-09

STATION: C509

CAST NUMBER: 59

UTC DATE (dd/mm/yyyy): 50 28 471 0204
129 57 347 1904 local
29/05/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	CDOM	CI3						
							OXY		NH4	CHL	ALK		CHL					
1	149	1432	2.479	bot-5	-	185	✓											
2	150	1433	2.114	175	-	175	✓											
3	151	1434	2.379	150	-	150												
4	152	1435	2.636	125	-	125												
5	153	1437	3.218	100	-	99												
6	154	1438	5.100	75	-	75												
7	155	1439	5.519	50	-	30				✓								
8	156	1440	5.753	30	-	30				✓								
9	157	1441	6.234	20	-	20			xx	✓								
10	158	1442	6.934	10	-	10			xx	✓								
11	159	1443	6.920	5	-	5	✓		xx	✓	✓							
12			6.902															
13																		
14																		
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23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 190

Cast # down: 59

Cast # up: 59

Time	LOC	UTC
Begin:		1102
Bottom:		1109
End:		1121

START POSITION (GPS)

LAT: 51 12 49

LONG: 128 28 05

BOTTOM POSITION (GPS)

LAT: 51 12 48

LONG: 128 27.97

END POSITION (GPS)

LAT: 51 12 49

LONG: 128 28 01

ROSETTE LOG

MISSION ID: 2004-09 STATION: C506 CAST NUMBER: 67 UTC DATE (dd/mm/yyyy): 29/05/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	NH4	CDOM				
1	163	1444	5.494	1307-10	60.													
2	164	1445	5.595	50	49							X						
3	165	1446	6.101	30	29			X										
4	166	1447	6.172	20	19								YY					
5	167	1448	6.726	10	10								YY					
6	168	1449	6.750	5	5								YY	X				
7	169	1450	6.692	0														
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 67

Cast # down: 67
Cast # up: 67

Time	LOC	UTC
Begin:	0754	1454
Bottom:	0757	1457
End:	0811	1511

START POSITION (GPS)
LAT: 51 00 029
LONG: 128 49 996

BOTTOM POSITION (GPS)
LAT: 51 00 013
LONG: 128 49 979

END POSITION (GPS)
LAT: 51 00 00
LONG: 128 49 987

ROSETTE LOG

MISSION ID: 2004-09 STATION: C504 CAST NUMBER: 73 UTC DATE (dd/mm/yyyy): 29/05/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	44	50m				
1	171	1451	3.592	8-10	/ 91													
2	172	1452	4.401	75	/ 73													
3	173	1453	5.738	50	/ 48								x					
4	174	1454	6.238	30	/ 30								x					
5	175	1455	6.664	20	/ 19								x	xx				
6	176	1456	6.659	10	/ 10								x	xx				
7	177	1457	6.757	5	/ 4								x	xx	x			
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 103

Cast # down: 73
Cast # up:

Time	LOC	UTC
Begin:	1114	1814
Bottom:	1117	1817
End:	1125	1825

START POSITION (GPS)
LAT: 50 49 241
LONG: 129 12 901

BOTTOM POSITION (GPS)
LAT: 50 49 244
LONG: 129 12 929

END POSITION (GPS)
LAT: 50 49 236
LONG: 129 13 018

ROSETTE LOG

MISSION ID: 2004-09 STATION: CS07 CAST NUMBER: 79 UTC DATE (dd/mm/yyyy): 29/5/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY		NH4	ALK		CHL	TKP					
1	179	1228	0.335	1000	✓ 1005	✓	✓	✓										
2	180	1231	0.270	800	✓ 802	✓	✓	✓										
3	181	1233	0.544	600	✓ 599	✓	✓	✓										
4	182	1235	0.857	500	✓ 500	✓	✓	✓										
5	183	1237	1.317	400	✓	✓	✓	✓										
6	184	1238	1.849	300	✓ 300	✓	✓	✓										
7	185	1247	2.421	250	✓ 249	✓	✓	✓										
8	186	1327	2.788	200	✓ 198	✓	✓	✓										
9	187	1241	3.283	175	✓ 175	✓	✓	✓										
10	188	1256	3.962	150	✓ 150	✓	✓	✓										
11	189	1258	4.479	125	✓ 124	✓	✓	✓										
12	190	1260	4.265	100	✓ 103	✓	✓	✓	✓									
13	191	1267	5.014	75	✓ 75	✓	✓	✓										
14	192	1268	5.505	50	✓ 49	✓	✓	✓				✓						
15	193	1270	6.162	30	✓ 25	✓	✓	✓	✓			✓						chl max
16	194	1271	6.230	20	✓ 20	✓	✓	✓	✓			✓						
17	195	1272	6.473	10	✓ 10	✓	✓	✓	✓			✓						
18	196	1273	7.060	5	✓ 5	✓	✓	✓	✓			✓	✓					
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY: *dy*
CHECKED BY:

Bottom Depth: ~ 1800

Cast # down: 79
Cast # up: 79

Time	LOC	UTC
Begin:		2106
Bottom:		2118
End:		2150

START POSITION (GPS)
LAT: 50 41.28
LONG: 129 28.04

BOTTOM POSITION (GPS)
LAT: 50 41.23
LONG: 129 28.05

END POSITION (GPS)
LAT: 50 41.00
LONG: 129 28.30

ROSETTE LOG

MISSION ID: 2004 09

STATION: LBP 3

CAST NUMBER: 101

UTC DATE (dd/mm/yyyy):

30 05 2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL		NH4		CDOM		
1	204	1334	2.941	8-10	✓ 158													
2	205	1336	2.773	150	✓ 150													
3	206	1344	3.087	125	✓ 124													
4	207	1319	4.035	100	✓ 99													
5	208	1350	4.792	75	✓ 75													
6	209	1351	5.318	50	✓ 49								X					
7	210	1352	5.620	30	✓ 29			X					X					
8	211	1353	6.310	20	✓ 19								X	XXX XXX				
9	212	1130	6.854	10	✓ 9								X	XX				
10	213	364	6.733	5	✓ 5	↓	↓	↓					X	XX		X		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 170

Cast # down: 101

Cast # up:

Time LOC UTC

Begin: 0954 1654

Bottom: 0957 1657

End: 1012 1712

START POSITION (GPS)

LAT: 50 03 223

LONG: 127 55 393

BOTTOM POSITION (GPS)

LAT: 50 03 235

LONG: 127 55 390

END POSITION (GPS)

LAT: 50 03 334

LONG: 127 55 284

ROSETTE LOG

MISSION ID: 2004 09

STATION: LBP4

CAST NUMBER: 102

UTC DATE (dd/mm/yyyy): 30 05 2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
							OXY			ALK		CHL		NH4		CDM		
1	214	535	0.346	1000	✓ 1000													
2	215	572	0.296	800	✓ 798													
3	216	1389	0.537	600	✓ 603													
4	217	708	0.838	500	✓ 501													
5	218	1135	1.177	400	✓ 400													
6	219	1176	1.950	300	✓ 302													
7	220	1137	2.184	250	✓ 249													
8	221	1136	2.795	200	✓ 199													
9	222	1391	2.699	175	✓ 175													
10	223	657	2.744	150	✓ 150													
11	224	1393	2.985	125	✓ 125													
12	225	1400	3.547	100	✓ 100			x										
13	226	1397	4.213	75	✓ 75													
14	227	1398	5.770	50	✓ 49							x						
15	228	1399	6.074	30	✓ 30							x						
16	229	1432	6.947	20	✓ 20							x	xx					
17	230	1433	6.888	10	✓ 10							x	xx					
18	231	1434	6.845	5	✓ 5	✓	✓	✓				x	xx			x		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 1106 ?

Cast # down: 102

Cast # up:

Time	LOC	UTC
Begin:	1105	1805
Bottom:	1116	1816
End:	1152	1852

START POSITION (GPS)

LAT: 50 01 387

LONG: 127 58 124

BOTTOM POSITION (GPS)

LAT: 50 01 .379

LONG: 127 58.199

END POSITION (GPS)

LAT: 50 01 495

LONG: 127 58 525

ROSETTE LOG

MISSION ID: 2004-09

STATION: LBP6

CAST NUMBER: 103

UTC DATE (dd/mm/yyyy): 30/05/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY		PH		ALK		CHL	DOM				
1	233	1228	0.324	1000	874	✓	✓	✓										37
2	234	1231	0.309	800	800	✓												38
3	235	1235	0.544	600	602													
4	236	1233	0.758	500	500													
5	237	1237	1.129	400	400													
6	238	1238	1.871	300	299													
7	239	1241	2.364	250	250													
8	240	1247	2.726 2.769	200	199				✓									
9	241	1256	3.070	175	173													
10	242	1327	3.298	150	149													
11	243	1258	3.491	125	125													
12	244	1260	3.940	100	100													
13	245	1267	4.223	75	75													
14	246	1268	5.332	50	50									✓				
15	247	1270	5.575	30	30									✓				
16	248	1271	6.809	20	20				✓					✓				
17	249	1272	7.222	10	9				✓					✓				
18	250	1273	7.359	5	4	✓	✓	✓	✓					✓	✓			54
19																		
20																		55
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 1100 ?

Cast # down: 103 / 105

Cast # up: 103 / 105

Time	LOC	UTC
Begin:	1946	2058
Bottom:	1958	2108
End:	2012	

START POSITION (GPS)

LAT: 50 00.00 49 56.13

LONG: 128 00.22 128 05.60

BOTTOM POSITION (GPS)

LAT: 50 00.14 49 56.08

LONG: 128 00.35 128 05.65

END POSITION (GPS)

LAT: 50 00.24

LONG: 128 00.47

ROSETTE LOG

MISSION ID: 2004-09 STATION: LBP8 CAST NUMBER: 108 UTC DATE (dd/mm/yyyy): 30/05/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	NH4	CDOM			
1	252	1337	0.252	1000	✓ 1000													
2	253	1386	0.268	800	✓ 800													
3	254	1461	0.547	600	- 601													
4	255	1481	0.863	500	✓ 499													
5	256	1402	1.125	400	- 401													
6	257	1335	1.747	300	✓ 299													
7	258	1225	2.024	250	✓ 250													
8	259	1320	2.676	200	✓ 199													
9	260	1368	2.982	175	- 175													
10	261	1360	3.216	150	- 150													
11	262	1471	4.460	125	✓ 124													
12	263	1379	4.455	100	✓ 100			X										
13	264	1374	6.154	75	✓ 73													
14	265	1373	6.617	50	- 49							X						
15	266	1376	6.796	30	- 28							X						
16	267	1394	6.982	20	✓ 20							X	XX					
17	268	1365	6.941	10	✓ 9							✓	XX					
18	269	1321	6.969	5	- 5		✓	✓	✓			X	XX	✓				
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 1100

Cast # down: 108
Cast # up: 108

Time	LOC	UTC
Begin:		23:59
Bottom:		00:14
End:		00:52

START POSITION (GPS)
LAT: 49 48.52
LONG: 128 16.70

BOTTOM POSITION (GPS)
LAT: 49 48.65
LONG: 128 16.74

END POSITION (GPS)
LAT: 49 48.66
LONG: 128 16.75

Comments:

ROSETTE LOG

MISSION ID: 2004-09 STATION: L206 CAST NUMBER: 115 UTC DATE (dd/mm/yyyy): 31/05/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY		LDOM		ALK		CHL	NRH				
1	273	1435	0.260	Bot-10	✓	986												
2	274	1437	0.263	800	-	798												
3	275	1438	0.472	600	-	600												
4	276	1439	0.632 0.623	500	✓	498												
5	277	1440	1.255	400	✓	400												
6	278	1441	1.846	300	✓	297												
7	279	1442	2.276	250	✓	251												
8	280	1443	2.715	200	✓	199												
9	281	1444	2.911	175	✓	174												
10	282	1445	4.220	150	✓	149												
11	283	1446	4.635	125	✓	124												
12	284	1447	5.670	100	✓	99			X									
13	285	1449	6.344	75	✓	74												
14	286	1448	6.307	50	✓	50							X					
15	287	1450	6.339	30	✓	30							X					
16	288	1451	6.668	20	✓	21							X	XX				
17	289	1452	6.438	10	-	10							X	XX				
18	290	1453	6.466	5	✓	5							X	XX				
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 866?

Cast # down: 115
Cast # up: 115

Time	LOC	UTC
Begin:		1420
Bottom:		1434
End:		1518

START POSITION (GPS)
LAT: 48 03 . 44
LONG: 127 01 . 27

BOTTOM POSITION (GPS)
LAT: 48 03 . 43
LONG: 127 01 . 26

END POSITION (GPS)
LAT: 49 03 430
LONG: 127 01 430

ROSETTE LOG

MISSION ID: 2004-09 STATION: LG4 CAST NUMBER: 117 UTC DATE (dd/mm/yyyy): 31 05 2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL		NH4		CDM		
1	292	1454	3.723	8-10	✓	139	x											
2	293	1455	3.964	125	✓	125	x		x									
3	294	1456	4.458	100	✓	99												
4	295	1457	6.007	75	✓	75												
5	296	1458	6.447	50	✓	50						x						
6	297	1459	6.671	30	✓	30						x						
7	298	1460	7.191	20	✓	20						x		xx				
8	299	1328	7.694	10	✓	10						x		xx				
9	300	1313	7.071	5	✓	5	x	↓	↓			x		xx		x		
10																		
11																		
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Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 117

Cast # up:

Time	LOC	UTC
Begin:	1000	1700
Bottom:	1002	1702
End:	1018	1718

START POSITION (GPS)

LAT: 49 11 329

LONG: 126 49 426

BOTTOM POSITION (GPS)

LAT: 49 11 345

LONG: 126 49 477

END POSITION (GPS)

LAT: 49 11 368

LONG: 126 49 703

ROSETTE LOG

MISSION ID: 2004-09 STATION: LG2 CAST NUMBER: 120 UTC DATE (dd/mm/yyyy): 31/05/04

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	NH4	Cl3						
							OXY		chl	ED04	ALK		CHL					
1	302	1334	3.258	bot-5	97	✓												
2	303	1336	4.832	75	77	✓												
3	204	1344	5.941	50	50				✓									
4	305	1319	6.148	30	30				✓									
5	306	1350	6.915	20	20				✓		✓							
6	307	1351	6.763	10	10				✓		✓							
7	308	1352	6.739	5	5	✓			✓	✓	✓							
8																		
9																		
10																		
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22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: S.K.
CHECKED BY:

Bottom Depth: 102

Cast # down: 120
Cast # up:

Time	LOC	UTC
Begin:		19:16
Bottom:		19:20
End:		19:28

START POSITION (GPS)
LAT: 48 18.686
LONG: 126 38.171

BOTTOM POSITION (GPS)
LAT: 49 18.731
LONG: 126 38.237

END POSITION (GPS)
LAT: 49 18.774
LONG: 126 38.334

ROSETTE LOG

MISSION ID: 2004-09 STATION: L61 CAST NUMBER: 122 UTC DATE (dd/mm/yyyy): 31/05/04

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY		NH4	CDOM	ALK		CHL					
1	307	1353	4.230	bot-5	50	/	/	/										
2	310	364	4.869	30	33	/	/	/					/					
3	311	1130	6.523	20	21		/	/	/				/					
4	312	572	7.223	10	10		/	/	/				/					
5	313	535	6.890	5	4	/	/	/	/	/			/					
6																		
7																		
8																		
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16																		
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18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 74

Cast # down: 122

Cast # up: 122

Time LOC UTC

Begin:

Bottom: 20:14

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 44 20.531

LONG: 126 35.008

END POSITION (GPS)

LAT:

LONG: