

Water Properties Group

Rosette Log

For Diana Varela and Connie Lovejoy: Phyto/Micro

Cruise ID: 2007-19 Station: B10 Event #: 103 Cast #: 28 CTD File: 200719_28.dat UTC Date (dd mmm yyyy): 14 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Diana Varela												Connie Lovejoy								Bot Quality
				Target Pressure	Confirmed Pressure	Pro NC	Pro NH ₄	Pro U	PON POC	Bio Si	Chl a	PID _L	PID _F	Nut NH ₄	Nut Urea	Nut NPS	DIC	Fish E	DNA	Chl a	RNA	HP LC	Bac	Nut	Bio mas	
1	454			2100	2100														2	2			1	1	1	
2	455			1500	1500.1														2	2			1	1	1	
3	456			1000	1000																					
4	457			500	499																					
5	458			400	400														2	2	2		1	1	1	
6	459			400	400																					
7	460			70	70												✓									
8	461			70	70	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
9	462			60	60														2	2	2		1	1	1	
10	463			60	60																					
11	464			40	40												✓									
12	465			40	40	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓										
13	466			25	25													2	2	2	2	2	1	1	1	
14	467			25	25																					
15	468			20	20												✓									
16	469			20	20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
17	470			10	10												✓									
18	471			10	10	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓										
19	472			5	5												✓									
20	473			5	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
21	474			5	5												✓									
22	475			5	5	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓										
23	476			5	5													2	2	2	2	2	1	1	1	
24	477			5	5																					

Ship: LSSL
Entered By: SL
Checked By:

Start Scan:
Bottom Depth: 2300 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.3
Ice Coverage: too foggy / 10

Time	Local	UTC
Start	1242	1542
Bottom	1327	1627
End	1417	1712

Start Position
Lat: 71 ° 33.906
Lon: 65 ° 23.962

Bottom Position
Lat: 71 ° 33.951
Lon: 65 ° 24.066

End Position
Lat: 71 ° 33.975
Lon: 65 ° 24.135

Comments: _____

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC
Geochem - first cast of shallow bottles

Cruise ID: 2007-19 Station: B01 Event #: 110 Cast #: 29 CTD File: 200719-029.dat UTC Date (dd mmm yyyy): 15 JUL 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments	
				Target Pressure	Confirmed √ Pressure	Oxy	DIC	Ph age	Chl a	DOC	CD OM	Bac	Alk	NH ₄	Nut	Sal	Ba	O18					
1	9454	3142		150	150	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓					
2	9455			125	125	✓						✓	✓	✓	✓	✓	✓	✓					← did NOT close
3	9456	2027		125	125	✓	✓			✓	✓	✓	✓		2	2	✓	✓					
4	9457	2033		100	100	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓					
5	9458	3057		75	74	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓					
6	9459	2085		50	50	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓					
7	9460	2089		30	30	✓	✓					✓	✓	✓	✓	✓	✓	✓					
8	9461	2084		20	20	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓					
9	9462	2056	2068	10	10	2	✓			✓	✓	✓	✓	✓	2	2	✓	✓					
10	9463	2044		5	5	✓	✓					✓	✓	✓	✓	✓	✓	✓					
11																							
12																							
13																							
14																							
15																							
16																							
17																							
18																							
19																							
20																							
21																							
22																							
23																							
24																							

Ship: LSSL
Entered By: SZ
Checked By:

Start Scan:
Bottom Depth: 2350 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.4
Ice Coverage: 3 / 10

Time	Local	UTC
Start	2137	0037
Bottom	X	X
End	2200	0100

Start Position
Lat: 72 ° 44.982
Lon: 66 ° 59.937

Bottom Position
Lat: X °
Lon: X °

End Position
Lat: 72 ° 45.098
Lon: 67 ° 00.078

Comments: Prior to cast, Niskin 22 lanyard internal nylon loop attached to spring was doubled up (it had somehow become single loop) hopefully increased tension will keep bottle tripping! Niskin 2 lanyard loop needs mending (to make it less creased).

5 July 2007 #2 also has bad pull angle. Heading 065 to 075° 065° @ 0303 UTC on cast 30

Water Properties Group

Rosette Log

Grochem
Second cast to collect full profile
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Cruise ID: 2007-19 Station: B01 Event #: 115 Cast #: 30 CTD File: 200719-030 UTC Date (dd mmm yyyy): 15 Jul 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Target Pressure	Confirmed Pressure	Oxy	DIC	PH age	CHI	DOC	CD OM	Bac	Alk	NH ₄	Nut	Sal	Ba	O18				
1	9464	3100		Bottom	2401	✓	✓					✓			✓	3						
2	9465			2250	2250																	
3	9466	3094	3055	2250	2250	3	✓					✓			2	✓						
4	9467	3058		2000	2000	✓	✓					✓			✓	2						
5	9468	2091		1750	1750	✓	✓					✓			✓	✓						
6	9469	3135		1500	1500	✓	✓					✓			2	✓						
7	9470	3203		1300	1300	✓	2					✓			✓	✓						
8	9471	2061		1200	1200	✓	✓					✓			✓	✓						
9	9472	3075		1100	1100	✓	✓					✓			✓	✓						
10	9473	2015	2060	1000	999	2	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
11	9474	2049		900	900	✓	✓					✓			✓	✓						
12	475	3126		800	801	✓	✓					✓			✓	✓						
13	476	2032		700	700	✓	✓			✓	✓	✓			✓	✓						
14	477	3183		600	601	✓	✓					✓			✓	✓						
15	478	3137		500	500	✓	✓			✓	✓	✓			2	✓						
16	479	2099		400	400	✓	✓					✓			✓	✓						
17	480	3043		350	350	✓	✓			✓	✓	✓			✓	✓						
18	481	2067	3118	300	300	2	✓					✓			✓	✓						
19	482	3007		275	275	✓	✓					✓			✓	✓						
20	483	3200		250	250	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓				
21	484	3033		225	225	✓	✓					✓			✓	✓						
22	485			200	200	-	-															
23	486	3004		200	200	✓	2			✓	✓	✓	✓	✓	✓	✓	✓	✓				
24	487			175	174	✓	✓					✓			✓	✓						

Ship: LSSL
Entered By: SZ
Checked By:

Start Scan:
Bottom Depth: 2350⁺ m 1550^{SS}
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.5
Ice Coverage: 3 / 10

Time	Local	UTC
Start	<u>2324</u>	<u>0224</u>
Bottom	<u>X</u>	<u>X</u>
End	<u>0118</u>	<u>0418</u>

Start Position
Lat: 72 ° 45.407
Lon: 67 ° 00.813

Bottom Position
Lat: X
Lon: X

End Position
Lat: 72 ° 45.797
Lon: 67 ° 02.232

Comments: max z = 2401 db + 5m alt time tr
↓ Duplicate sample numbers 964-474 so change to 9464-9474
close → was it triggered?

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Cruise ID: 2007-19 Station: BEW03 Event #: 017 Cast #: 31 CTD File: 200719-030 UTC Date (dd mmm yyyy): 15 Jul 07

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Target Pressure	Confirmed Pressure	Oxy	DOC	Rh age	Chl a	DOC	CD OM	Bac	Alk	NH ₄	Nut	Sal	Ba	O18				
1	48	3187		Bot-S	2089	✓						✓				2						
2	489	8092, 3097, 2047		2000	2000	3						✓			2	✓						
3	490	3191		1750	1750	✓						✓			✓	2						
4	491	3157		1500	1501	✓						✓			✓	✓						
5	492	3094		1250	1251	✓						✓			✓	✓						
6	493	3157		1000	1000	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓				
7	494	3012		750	750	✓				✓	✓	✓			✓	✓	✓	✓				
8	495	3186		500	500	✓				✓	✓	✓			✓	✓						
9	496	3160		400	400	✓						✓			✓	✓						
10	497	3182		350	350	✓				✓	✓	✓			✓	✓						
11	498	2014/3174		300	300	2						✓			✓	✓						
12	499	3096		250	250	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓				
13	500	3193		225	225	✓						✓			✓	✓						
14	501	3198		200	200	✓				✓	✓	✓	✓	4	2	✓	✓	✓				
15	502	3199		175	175	✓						✓			✓	✓						
16	503	3188		150	150	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓				
17	504	3177		125	125	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓				
18	505	3166, 3196		100	100	2				✓	✓	✓	✓	✓	✓	2	✓	✓				
19	506	2059		75	75	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓				
20	507	3161		50	50	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓				
21	508	3052		35	35	✓						✓	✓	✓	✓	✓	✓	✓				
22	509	3180		20	20	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓				
23	510	3171		5	5	✓				✓	✓	✓	✓	✓	2	✓	✓	✓				
24																						

Ship: LSSL
Entered By: SK
Checked By:

Start Scan:
Bottom Depth: 2050 m
ISUS Cleaned: Y / (N)
Trans Cleaned: Y / (N)
Camera On: Y / (N)
In-Air Pressure: 0.6 / 0.3
Ice Coverage: 3 / 10

Time	Local	UTC
Start	0547	0842
Bottom	0630	0930
End	0729	1029

Start Position
Lat: 72 ° 39.860
Lon: 68 ° 59.344

Bottom Position
Lat: 72 ° 39.728
Lon: 68 ° 59.006

End Position
Lat: 72 ° 39.524
Lon: 68 ° 58.926

Comments:

Water Properties Group

Rosette Log

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Cruise ID: 2007-19 Station: BEWOS Event #: 0120 Cast #: 32 CTD File: -32.dat UTC Date (dd mmm yyyy): 14 7 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken														Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
				Target Pressure	Confirmed Pressure	Oxy	DIC	Ph	Chl	DOC	CD OM	Bac	Alk	NH ₄	Nut	Sal	Ba	O18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Ship: LSSL
Entered By: 82
Checked By:

Start Scan:
Bottom Depth: 1509 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.4
Ice Coverage: 1 / 10

Time	Local	UTC
Start	1059	1359
Bottom	1131	1431
End	1214	1514

Start Position
Lat: 72 ° 35.121
Lon: 70 ° 48.456

Bottom Position
Lat: 72 ° 35.066
Lon: 70 ° 48.829

End Position
Lat: 72 ° 34.969
Lon: 70 ° 48.551

Comments:

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Rosette Log

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Cruise ID: 2007-19 Station: BEW 07 Event #: 0123 Cast #: 33 CTD File: 200719_33.dat UTC Date (dd mmm yyyy): 15 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Target Pressure	Confirmed Pressure	Oxy	DIC	Rh	Chl	DOC	CD OM	Bac	Alk	NH ₄	Nut	Sal	Ba	O18				
1	531	3104		6-5	1042	X						X			X	2						
2	532	2088/2074/2057		1000	1000	(3)				X	X	X	X	2	X	X	X	X				
3	533			750	750	X				X	X	X			X	X						
4	534			500	500	(XXX)				X	X	X			X	X						
5	535	2069/3109/3018		400	400	X						X			X	X						
6	536			350	350	X				X	X	X			X	X						
7	537			300	301	X						X			2	2						
8	538			250	250	2				X	X	X	X	2	X	X	X	X				
9	539			225	225	X						X			X	X						
10	540			200	200	X				X	X	X		4	X	X	X	X				
11	541			175	175	X				X	X	X			X	X						
12	542			150	150	X				X	X	X	X	2	2	2	X	X				
13	543			125	125	X				X	X	X	X	2	X	X	X	X				
14	544			100	100	X				X	X	X	X	2	X	X	X	X				
15	545			75	75	2				X	X	X	X	2	X	X	X	X				
16	546			50	50	X				X	X	X	X	2	X	X	X	X				
17	547			35	35	X						X	X		2	2	X	X				
18	548			20	20	X				X	X	X	X	2	X	X	X	X				
19	549			5	5	X				X	X	X	X	2	X	X	X	X				
20																						
21																						
22																						
23																						
24																						

Ship: LSSL
Entered By: SN
Checked By:

Start Scan:
Bottom Depth: 1060 m
ISUS Cleaned: Y(N)
Trans Cleaned: Y(N)
Camera On: Y(N)
In-Air Pressure: 0.4
Ice Coverage: 1 / 10

Time	Local	UTC
Start	1505	1805
Bottom	1528	1823
End	1601	1901

Start Position
Lat: 72 ° 29.958
Lon: 71 ° 59.477

Bottom Position
Lat: 72 ° 29.876
Lon: 71 ° 59.649

End Position
Lat: 72 ° 29.854
Lon: 72 ° 0.215

Comments:

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Rosette Log

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max z = 681 obs + 5m

Cruise ID: 2007-19 Station: BEW 09 Event #: 126 Cast #: 34 CTD File: 200719-034 UTC Date (dd mmm yyyy): 15 July 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Target Pressure	Confirmed Pressure	Oxy	DIC	Ph	Chl	DOC	CD	Bac	Alk	NH ₄	Nut	Sal	Ba	O18				
1	550			1200	681					✓	✓	✓			3	✓						
2	551			600	600							✓	✓	2	2	✓	✓	✓				
3	552			500	500					✓	✓	✓			✓	✓						
4	553			400	400							✓			✓	✓						
5	554			350	347					✓	✓	✓			✓	✓						
6	555			300	300							✓			✓	✓						
7	556			275	275							✓			✓	✓						
8	557			250	750					✓	✓	✓	✓		✓	✓	✓	✓				
9	558	2007/2025/3039		200	200	3				✓	✓	✓	✓	2	✓	✓	✓	✓				
10	559	3204/2007/3028		175	174							✓			✓	✓						
11	560			150	150					✓	✓	✓	✓	2	2	✓	✓	✓				
12	561			125	124					✓	✓	✓	✓		✓	✓	✓	✓				
13	562			100	100	3				✓	✓	✓	✓	3	✓	✓	✓	✓				
14	563			75	75					✓	✓	✓	✓	2	✓	✓	✓	✓				
15	564			50	50					✓	✓	✓	✓		✓	✓	✓	✓				
16	565			30	30							✓	✓	2	✓	✓	✓	✓				
17	566			20	19					✓	✓	✓	✓		✓	✓	✓	✓				
18	567			5	5					✓	✓	✓	✓	2	✓	✓	✓	✓				
19																						
20																						
21																						
22																						
23																						
24																						

Ship: LSSL
Entered By:
Checked By:

Start Scan: 155/155
Bottom Depth: 676.9 m
ISUS Cleaned: (Y) N
Trans Cleaned: (Y) N
Camera On: Y (N)
In-Air Pressure: 0.4
Ice Coverage: 1 / 10

Time	Local	UTC
Start	1841	2141
Bottom	X	X
End	1932	2232

Start Position
Lat: 72 ° 24.901
Lon: 73 ° 09.936

Bottom Position
Lat: X
Lon: X

End Position
Lat: 72 ° 24.898
Lon: 73 ° 09.988

Comments: @ 78m on upcast noticed garbure / flow over the side. Stopped ~5 min. Flow stopped.

Broken Bottles... all had been collected but looks like #2 lanyard broke, causing it to close.
#24, 1, 2, 3 all broken or damaged.
ISUS + PAR back on Rosette for this cast

Water Properties Group

Rosette Log

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Second cast to pick up
1-3 bottom bottles
lost in
first cast

Cruise ID: 2007-19 Station: BEW09 Event #: 0130 Cast #: 35 CTD File: 2007R-035.dat UTC Date (dd mmm yyyy): 16 July 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				Target Pressure	Confirmed ✓ Pressure	Oxy	DIC	Ph age	Chl a	DOC	CD OM	Bac	Alk	NH ₄	Nut	Sal	Ba	O18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1	568			Bot		667					✓	✓	✓			✓	✓																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

Ship:	LSSL
Entered By:	SZ
Checked By:	

Start Scan:	
Bottom Depth:	660 + 9 m 1580 ss
ISUS Cleaned:	Y/N
Trans Cleaned:	Y/N
Camera On:	Y(N)
In-Air Pressure:	
Ice Coverage:	/ 10

Time	Local	UTC
Start	2124	0024
Bottom	X	X
End	2139	0059

Start Position
Lat: 72 ° 24.942
Lon: 73 ° 10.826

Bottom Position
Lat: °
Lon: °

End Position
Lat: 72 ° 24.929
Lon: 73 ° 11.461

Comments: _____

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2007-19 Station: BEW 11 Event #: 0133 Cast #: 36 CTD File: 200719-36.dat UTC Date (dd mmm yyyy): 16 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments	
				Target Pressure	Confirmed Pressure	Oxy	DIC	Ph age	Chl a	DOC	CD OM	Bac	Alk	NH ₄	Nut	Sal	Ba	O18					
1	571			5-5	148	X						X			X	X							
2	572			150	148	3				X	X	X	X	2	X	X	X	X					
3	573			125	125	X				X	X	X	X		X	X	X	X					
4	574			100	100	X				X	X	X	X	2	X	X	X	X					
5	575			95	95	X				X	X	X	X		X	X	X	X					
6	576			75	75	X				X	X	X	X	2	X	X	X	X					
7	577			75	75			X															
8	578			50	50	2				X	X	X	X		2	2	X	X					
9	579			30	30	X						X	X	2	X	X	X	X					
10	580			21	21	X				X	X	X	X		X	X	X	X					
11	581			15	15	X				X	X	X	X		X	X	X	X					
12	582			10	10	X				X	X	X	X		X	X	X	X					
13	583			5	5			X															
14																							
15																							
16																							
17																							
18																							
19																							
20																							
21																							
22																							
23																							
24																							

Ship: LSSL
Entered By: 82
Checked By:

Start Scan:
Bottom Depth: 153 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.4 10.3
Ice Coverage: 1 10

Time	Local	UTC
Start	<u>1323</u>	<u>1623</u>
Bottom	<u>1330</u>	<u>1630</u>
End	<u>1343</u>	<u>1643</u>

Start Position
Lat: 72 ° 23.116
Lon: 73 ° 53.873

Bottom Position
Lat: 72 ° 23.123
Lon: 73 ° 53.853

End Position
Lat: 72 ° 23.105
Lon: 73 ° 53.863

Comments: _____

Water Properties Group

Rosette Log

For Diana Varela and Connie Lovejoy: Phyto/Micro

Cruise ID: 2007-19 Station: BEW11 Event #: 0137 Cast #: 37 CTD File: 200719-37.dat UTC Date (dd mmm yyyy): 16 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Diana Varela											Connie Lovejoy								Bot Quality
				Target Pressure	Confirmed Pressure	Pro NC	Pro NH ₄	Pro U	PON POC	Bio Si	Chl a	PID _L	PID _F	Nut NH ₄	Nut Urea	Nut NPS	DIC	Fish E	DNA	Chl a	RNA	HP LC	Bac	Nut	Bio mas
1	584			150	144													2	2			1	1	1	
2	585			82	82													2	2			1	1	1	
3	586			82	82																				
4	587			75	75													2	2	2		1	1	1	
5	588			75	75																				
6	589			70	70	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								
7	590			70	70												✓								
8	591			40	40	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									
9	592			40	40												✓								
10	593			40	40													2	2	2		1	1	1	
11	594			40	40																				
12	595			20	20													2	2	2	2	2	1	1	1
13	596			20	20																				
14	597			15	15	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓								
15	598			15	15												✓								
16	599			10	10	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓								
17	600			10	10												✓								
18	601			5	5													2	2	2	2	2	1	1	1
19	602			5	5																				
20	603			5	5	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓								
21	604			5	5												✓								
22	605			5	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								
23	606			5	5												✓								
24																	✓								

Ship: LSSL
Entered By: SN
Checked By:

Start Scan:
Bottom Depth: 152 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y(N)
In-Air Pressure: 0.51
Ice Coverage: 2 / 10

Time	Local	UTC
Start	1453	1753
Bottom	1500	1800
End	1511	1811

Start Position
Lat: 72 ° 23.077
Lon: 73 ° 53.630

Bottom Position
Lat: 72 ° 23.079
Lon: 73 ° 53.643

End Position
Lat: 72 ° 23.047
Lon: 73 ° 53.582

Comments:

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2007-19 Station: BB11 Event #: 0145 Cast #: 38 CTD File: 200719_038 UTC Date (dd mmm yyyy): 17 Jul 07

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken														Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
				Target Pressure	Confirmed Pressure	Oxy	DIC	Phy	Chl	DOC	CD OM	Bac	Alk	NH ₄	Nut	Sal	Ba	O18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1	607			6-5	820							X			X	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

Ship: LSSL
Entered By: SZ
Checked By:

Start Scan:
Bottom Depth: 840+9 ¹⁵⁵⁰³⁵ m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y(N)
In-Air Pressure: 0.4
Ice Coverage: 1 / 10

Time	Local	UTC
Start	<u>0304</u>	<u>0604</u>
Bottom	<u>X</u>	<u>X</u>
End	<u>0357</u>	<u>657</u>

Start Position
Lat: 74 ° 7.450 N
Lon: 77 ° 45.114 W

Bottom Position
Lat: X °
Lon: X °

End Position
Lat: 74 ° 07.487
Lon: 77 ° 07.488

Comments: Transmissometer Flaky at ~450 to bottom, Max 2 820+4m but bottom alarm did
improved in up trace although >500m not good not come on.
lg surface Transmission. 2yr Soft bottom?
Low strong surface current

Water Properties Group

Rosette Log

For Diana Varela and Connie Lovejoy: Phyto/Micro

Cruise ID: 2007-19 Station: CA-A Event #: 0147 Cast #: 039 CTD File: 200719-39.dat UTC Date (dd mmm yyyy): 17 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Diana Varela											Connie Lovejoy								Bot Quality
				Target Pressure	Confirmed ☒ Pressure	Pro NC	Pro NH ₄	Pro U	PON POC	Bio Si	Chl a	PID _L	PID _F	Nut NH ₄	Nut Urea	Nut NPS	DIC	Fish E	DNA	Chl a	RNA	HP LC	Bac	Nut	
1					763																				
2																									
3	627	-			740													2	2			1	1	1	
4																									
5																									
6	630				850													2	2			1	1	1	
7																									
8																									
9																									
10																									
11																									
12	636				78													2	2	2		1	1	1	
13	637				78																				
14																									
15																									
16	640				68													2	2	2		1	1	1	
17	641				68																				
18																									
19	643				50													2	2	2	2	2	1	1	1
20	644				50																				
21																									
22	645																								
23	647				5													2	2	2	2	2	1	1	1
24	648				0													2	2	2	2	2	1	1	1

Ship: LSSL
Entered By: SP
Checked By:

Start Scan:
Bottom Depth: m
ISUS Cleaned: (Y)/N
Trans Cleaned: (Y)/N
Camera On: (Y)/N
In-Air Pressure: 0.41
Ice Coverage: / 10

Time	Local	UTC
Start	1016	1316
Bottom	1041	1341
End	1103	1403

Start Position
Lat: 74 ° 8.466
Lon: 81 ° 33.222

Bottom Position
Lat: °
Lon: °

End Position
Lat: 74 ° 8.161
Lon: 81 ° 33.095

Comments: _____

One Cast: Geochem + Connie + Diana + Christian

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2007-19 Station: CAA1 Event #: 0147 Cast #: 39 CTD File: 200719_39.dat UTC Date (dd mmm yyyy): 17 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Target Pressure	Confirmed Pressure	Oxy	DIC	Ph age	Chl a	DOC	CD OM	Bac	Alk	NH ₄	Nut	Sal	Ba	O18				
1	625	3017, 3178, 3181		5-5	763	3				X	X	X	X	2	X	X	X	X				
2	626			750	750	X		X				X	X	2	X	X	X	X				← NO WATER
3	627			740	740																	Connie
4	628	3061		500	500	X				X	X	X			X	X						
5	629			500	500			X														
6	630			350	350					X	X	X			X	X						Connie
7	631	3119		250	250	X				X	X	X	X		2	2	X	X				
8	632			250	250			X		X	X											
9	633	2047		200	200	X				X	X	X	X	2	X	X						
10	634	3063, 3104		150	150	2				X	X	X	X	2	X	X	X	X				
11	635	2207		100	100	X				X	X	X	X	3	X	X	X	X				
12	636			78	78																	Connie
13	637			78	78																	Connie
14	638	3130		25	25	X				X	X	X	X	2	X	X	X	X				
15	639			25	25			X														
16	640			68	68																	Connie
17	641			68	68																	Connie
18	642	2073, 3108		50	50	2				X	X	X	X		2	2	X	X				
19	643			50	50																	Connie
20	644			50	50																	Connie
21	645	3194		25	25	X				X	X	X	X	2	X	X	X	X				
22	646			5	5	X		X		X	X	X	X	2	X	X	X	X				
23	647			5	5																	Connie
24	648	3069		5	5			X														Connie

Ship: LSSL
Entered By: SL
Checked By:

Start Scan:
Bottom Depth: 777 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.4
Ice Coverage: 1 / 10

Time	Local	UTC
Start	1016	1316
Bottom	1041	1341
End	1108	1408

Start Position
Lat: 74 ° 08.466
Lon: 81 ° 33.222

Bottom Position
Lat: ~~74~~ °
Lon: ~~81~~ °

End Position
Lat: 74 ° 08.161
Lon: 81 ° 33.095

Comments: Include: (5x2), 25, 50, 75x2, 100, 150, 200, 250x2, 500x2, Bottom-5 (geochem + christina)
Connie: 10 bottles

5 July 2007

Or not first to be sampled

maybe draw Geochem from Connie's 5m if Christian needs 750m

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

* NH₄ from Nisk 2 and 22 not collected; bottles empty

Water Properties Group

Rosette Log

For Diana Varela and Connie Lovejoy: Phyto/Micro

Cruise ID: 2007-19 Station: CAA2 Event #: 154 Cast #: 40 CTD File: 200719-040 UTC Date (dd mmm yyyy): 17 July 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Diana Varela											Connie Lovejoy								Bot Quality
				Target Pressure	Confirmed ✓ Pressure	Pro NC	Pro NH ₄	Pro U	PON POC	Bio Si	Chl a	PID _L	PID _F	Nut NH ₄	Nut Urea	Nut NPS	DIC	Fish E	DNA	Chl a	RNA	HP LC	Bac	Nut	Bio mas
1	649			500																					
2	650			250																					
3	651			200																					
4	652			150																					
5	653			100																					
6	654			75																					
7	655			50																					
8	656			50			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								
9	657			50																					
10	658			40			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								
11	659			40																					
12	660			30			✓	✓	✓	✓	✓	✓	✓		✓	✓	✓								
13	661			30																					
14	662			30																					
15	663			30																					
16	664			30																					
17	665			25																					
18	666			12			✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓							
19	667			12																					
20	668			5			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								
21	669			5																					
22	660			5																					
23	661			2																					
24	672			2			✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓							

Ship: LSSL
Entered By: ST
Checked By:

Start Scan:
Bottom Depth: 547.9 m ¹⁹⁵⁰³³
ISUS Cleaned: (Y) N
Trans Cleaned: (Y) N
Camera On: Y (N)
In-Air Pressure: 0.4
Ice Coverage: 1 / 10

Time	Local	UTC
Start	2023	2323
Bottom	2047	2342
End	2107	0007

Start Position
Lat: 74 ° 13.061
Lon: 85 ° 39.001 W

Bottom Position
Lat: X °
Lon: X °

End Position
Lat: 74 ° 13.092
Lon: 85 ° 38.747 W

Comments: _____

1 Cast: Diana + Connie + Geochem 4 buoy, 3 grabs 1 camera

~600m

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2007-19 Station: CAA 2 Event #: 154 Cast #: 40 CTD File: 200719-040 UTC Date (dd mmm yyyy): 17 July 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken														Comments												
				Target Pressure	Confirmed ✓ Pressure	Oxy	DIC	Rh age	Chl a	DOC	CD OM	Bac	Alk	NH ₄	Nut	Sal	Ba	O18														
G 1	649			500	501						✓	✓	✓	✓		2	2	✓	✓													
G 2	650			250	250						✓	✓	✓	✓	2	✓	✓	✓	✓													
G 3	651			200	200						✓	✓	✓	✓	2	✓	✓	✓	✓													
G 4	652	3116/2002	3109	150	150	3					✓	✓	✓	✓	2	✓	✓	✓	✓													
G 5	653			100	100						✓	✓	✓	✓	2	✓	✓	✓	✓													
G 6	654			75	75						✓	✓	✓	✓		✓	✓	✓	✓													
G 7	655	2069/2074	2051	50	50	3					✓	✓	✓	✓		✓	✓	✓	✓													
D 8	656			50	50																											
D 9	657			50	50																											
D 10	658			40	40																											
D 11	659			40	40																											
D 12	660			30	30																											
D 13	661			30	30																											
C 14	662			30	30																											
C 15	663			30	30																											
C 16	664			30	30																											
G 17	665			25	25						✓	✓	✓	✓		✓	✓	✓	✓													
D 18	666			12	12																											
D 19	667			12	12																											
D 20	668			5	5																											
D 21	669			5	5																											
G 22	670			5	5						✓	✓	✓	✓		2	2	✓	✓													
D 23	671			2	2																											
D 24	672			2	2																											

Ship: LSSL
Entered By: SZ
Checked By:

Start Scan:
Bottom Depth: 547 + 9m 1550
ISUS Cleaned: (Y) N
Trans Cleaned: (Y) N
Camera On: Y (N)
In-Air Pressure: 0.4
Ice Coverage: 1 / 10

Time	Local	UTC
Start	2023	2323
Bottom	2042	2342
End	2107	0007

Start Position
Lat: 74 ° 13.061 N
Lon: 85 ° 39.000 W

Bottom Position
Lat: °
Lon: °

End Position
Lat: 74 ° 13.092
Lon: 85 ° 38.747

Comments:

Diana ~12 bottles
Connie ~3 bottles C ✓30x3
Geochem ~9 : 5, 25, 50, 75, 100, 150, 200, 250, 500
D 2x2 5x2 12x2 ✓30x2 40x2 ✓50x2
ONLY From Diana's samples
Triplicates at 2 depths for Oxy only
Max Z 531ds + 5m
but no bottom bottle

5 July 2007

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2007-19 Station: CAA3 Event #: Cast #: 41 CTD File: 200719_041^{del} UTC Date (dd mmm yyyy): 18 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Target Pressure	Confirmed ✓ Pressure	Oxy	DIC	PH age	CHI a	DOC	CD OM	Bac	Alk	NH ₄	Nut	Sal	Ba	O18				
1	673			85	215	X						X			X	X						
2	674			300	215	3						✓		2	2	2						
3	675			280	215	X				✓	✓	X	✓	X	X	X	✓	✓				
4	676			225	219	X						X			X	X						
5	677			200	200	✓				✓	✓	✓	✓	2	✓	✓	✓	✓				
6	678			175	175	✓						✓			✓	✓						
7	679			150	150	✓				✓	✓	✓	✓	2	✓	✓	✓	✓				
8	680			125	125	✓				✓	✓	✓	✓		✓	✓	✓	✓				
9	681			100	100	2				✓	✓	✓	✓	4	✓	✓	✓	✓				
10	682			75	75	✓				✓	✓	✓	✓	2	✓	✓	✓	✓				
11	683			50	50	✓				✓	✓	✓	✓	2	✓	✓	✓	✓				
12	684			35	35	✓						✓	✓		✓	✓	✓	✓				
13	685			25	25	✓				✓	✓	✓	✓	2	✓	✓	✓	✓				
14	686			15	15	✓						✓	✓	2	2	2	✓	✓				
15	687			5	5	✓				✓	✓	✓	✓	2	✓	✓	✓	✓				
16	688																					
17	689																					
18	690																					
19																						
20																						
21																						
22																						
23																						
24																						

Ship: LSSL
Entered By: SZ
Checked By: SL

Start Scan:
Bottom Depth: 217 m
ISUS Cleaned: Y/(N)
Trans Cleaned: (Y)/N
Camera On: Y/(N)
In-Air Pressure: 0.4
Ice Coverage: / 10

Time	Local	UTC
Start		0737
Bottom		0746
End		0759

Start Position
Lat: 74 ° 13.406
Lon: 89 ° 42.854

Bottom Position
Lat: 74 ° 13.406
Lon: 89 ° 42.838

End Position
Lat: 74 ° 13.396
Lon: 89 ° 42.862

Comments: Geochem only "that's a 10-4 good buddy!" ↑ full

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2007-19 Station: CAA4 Event #: 164 Cast #: 42 CTD File: -42.dat UTC Date (dd mmm yyyy): 18 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Target Pressure	Confirmed ✓ Pressure	Oxy	DIC	Rh age	Chl a	DOC	CD OM	Bac	Alk	NH ₄	Nut	Sal	Ba	O18				
1	688			165	160																	
2	689			300	160																	
3	690			250	160																	
4	691			225	160																	
5	692			200	160	X				X	X	X		X	X	X	X	X				
6	693	3097		175	160	X				X		X			X	X	X	X				
7	694	3174/3204/3028		150	150	3				X	X	X	X	2	X	X	X	X				
8	695	3160		125	125	X				X	X	X	X		X	X	X	X				
9	696	3199/3052		100	100	2				X	X	X	X	4	X	X	X	X				
10	697	3177		75	75	X				X	X	X	X	2	X	X	X	X				
11	698	3161		50	50	X				X	X	X	X	2	X	X	X	X				
12	699	3096		35	35	X						X	X		X	X	X	X				
13	700	3171		25	25	X				X	X	X	X	2	X	X	X	X				
14	701	3012		15	15	X						X	X	2	2	2	X	X				
15	702			5	5	X				X	X	X	X	2	X	X	X	X				
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: LSSL
Entered By: 8w
Checked By:

Start Scan:
Bottom Depth: 125 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.5 | 0.3
Ice Coverage: 1 / 10

Time	Local	UTC
Start		1326
Bottom		1337
End		1352

Start Position
Lat: 74 ° 25.570
Lon: 93 ° 29.074

Bottom Position
Lat: 74 ° 25.565
Lon: 93 ° 29.079

End Position
Lat: 74 ° 25.471
Lon: 93 ° 29.716

Comments: geochem only

Water Properties Group

Rosette Log

For Diana Varela and Connie Lovejoy: Phyto/Micro

Cruise ID: 2007-19 Station: CHAS Event #: 0203 Cast #: 44 CTD File: -44.dat UTC Date (dd mmm yyyy): 20 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Diana Varela												Connie Lovejoy								Bot Quality
				Target Pressure	Confirmed Pressure	Pro NC	Pro NH4	Pro U	PON POC	Bio Si	Chl a	PID _L	PID _F	Nut NH4	Nut Urea	Nut NPS	DIC	Fish E	DNA	Chl a	RNA	HP LC	Bac	Nut	Bio mas	
1	704			350	350														2	2			✓	1	1	
2	705			150	150														2	2	2		✓	1	1	
3	706			150	150																		✓	1	1	
4	707			54	54	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									
5	708			54	54												✓									
6	709			50	50														2	2	2		✓	1	1	
7	710			50	50																		✓	1	1	
8	711			32	32	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									
9	712			32	32												✓									
10	713			30	30													2	2	2	2	2	✓	1	1	
11	714			30	30																		✓	1	1	
12	715			17	17	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓									
13	716			17	17												✓									
14	717			9	9	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓									
15	718			9	9												✓									
16	719			6	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									
17	720			6	6												✓									
18	721			5	5													2	2	2	2	2	✓	1	1	
19	722			5	5																					
20	723			2	2	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓									
21	724			2	2												✓									
22	725																									
23	726																									
24	727																									

Ship: LSSL
Entered By: SL
Checked By:

Start Scan:
Bottom Depth: 434 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.3/0.4
Ice Coverage: — / 10

Time	Local	UTC
Start		2303
Bottom		2317
End		2335

Start Position
Lat: 73 ° 31.550
Lon: 89 ° 30.514

Bottom Position
Lat: 73 ° 31.523
Lon: 89 ° 30.680

End Position
Lat: 73 ° 31.475
Lon: 89 ° 30.880

Comments:

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Geochem / Phase

Cruise ID: 2007-19 Station: CAAS Event #: 0204 Cast #: 45 CTD File: -45.dat UTC Date (dd mmm yyyy): 21 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments			
				Target Pressure	Confirmed Pressure	Oxy	DOC	Ph age	Chl a	DOC	CD OM	Bac	Alk	NH ₄	Nut	Sal	Ba	O18	Vir	VD					
1	728			Bottom	435	✓					✓	✓			✓	✓			✓						
2	729			350	350	2				✓	✓	✓	✓		2	2	✓	✓							
3	730			350	350			✓																	
4	731			300	300							✓			✓	✓									
5	732			250	250					✓	✓	✓	✓	✓	✓	✓	✓	✓							
6	733			250	250			✓																	
7	734			225	225							✓			✓	✓									
8	735			200	200					✓	✓	✓	✓	✓	✓	✓	✓	✓							
9	736			175	175							✓			✓	✓									
10	737			150	150					✓	✓	✓	✓	✓	✓	✓	✓	✓							
11	738			150	150			✓																	
12	739			125	125					✓	✓	✓	✓		✓	✓	✓	✓							
13	740			100	101					✓	✓	✓	✓	✓	✓	✓	✓	✓							
14	741			75	76					✓	✓	✓	✓		✓	✓	✓	✓			✓				
15	742			75	76			✓																	
16	743			50	50					✓	✓	✓	✓		2	2	✓	✓			✓				
17	744			35	36							✓	✓		✓	✓	✓	✓			✓				
18	745			35	36			✓																	
19	746			25	25					✓	✓	✓	✓		✓	✓	✓	✓			✓				
20	747			15	15							✓	✓		✓	✓	✓	✓			✓				
21	748			5	5				✱	✓	✓	✓	✓		✓	✓	✓	✓			✓				
22	749			5	5			✓																	
23																									
24																									

Ship: LSSL
Entered By:
Checked By:

Start Scan:
Bottom Depth: m
ISUS Cleaned: / N
Trans Cleaned: / N
Camera On: Y / N
In-Air Pressure: 0.9
Ice Coverage: / 10

Time	Local	UTC
Start		0023
Bottom		0036
End		0059

Start Position
Lat: 73 ° 31.379
Lon: 89 ° 31.835

Bottom Position
Lat: 73 ° 31.357
Lon: 89 ° 32.132

End Position
Lat: 73 ° 31.315
Lon: 89 ° 32.702

Comments: * Virus for Curtis sottle - taken on cast 43
* clog butts on surface -- not good for samples!!

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2007-19 Station: CAA5B Event #: 214 Cast #: 46 CTD File: - 46.dat UTC Date (dd mmm yyyy): 21 Jul 2007

[illegible]

Ship:	LSSL
Entered By:	JE
Checked By:	

Start Scan:	
Bottom Depth:	67 m
ISUS Cleaned:	☒ Y / N
Trans Cleaned:	☒ Y / N
Camera On:	☒ Y / N
In-Air Pressure:	0.51
Ice Coverage:	9 / 10

Time	Local	UTC
Start		1417
Bottom		1425
End		1427

Start Position	
Lat:	71 ° 55.914
Lon:	94 ° 4.325

Bottom Position	
Lat:	71 ° 55.958
Lon:	94 ° 4.396

End Position	
Lat:	71 ° 55.523
Lon:	94 ° 4.373

Comments: _____

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2007-19 Station: BE2 Event #: 0215 Cast #: 47 CTD File: 47.dat UTC Date (dd mmm yyyy): 21 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Target	Confirmed	Oxy	DIC	Ph	Chl	DOC	CD	Bac	Alk	NH ₄	Nut	Sal	Ba	O18				
				Pressure	✓ Pressure			age	a		OM											
1	757			65											X							
2	758			390											X							
3	759			250											2							
4	760			228	229										X							
5	761			200	200										7							
6	762			175	175										7							
7	763			150	150										X							
8	764			125	125										X							
9	765			100	100										X							
10	766			75	75										2							
11	767			50	50										X							
12	768			35	35										7							
13	769			25	25										X							
14	770			15	15										X							
15	771			5	5										X							
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: LSSL
Entered By: *sw*
Checked By:

Start Scan:
Bottom Depth: 386 m
ISUS Cleaned: ☒ Y / ☐ N
Trans Cleaned: ☒ Y / ☐ N
Camera On: ☒ Y / ☐ N
In-Air Pressure: 0.3
Ice Coverage: 7 / 10

Time	Local	UTC
Start		0215
Bottom		
End		

Start Position
Lat: 71 ° 58.492
Lon: 94 ° 4.325

Bottom Position
Lat: °
Lon: °

End Position
Lat: °
Lon: °

Comments:

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2007-19 Station: B62 Event #: 0216 Cast #: 48 CTD File: -48.dant UTC Date (dd mmm yyyy): 21 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken														Comments
				Target Pressure	Confirmed √ Pressure	Oxy	DIC	Ph age	Chl a	DOC	CD OM	Bac	Alk	NH ₄	Nut	Sal	Ba	O18	DIC	
1	772			65	105							X			X					
2	773			100	100							X			X					
3	774			75	75							X			X					
4	775			50	50							X			2					
5	776			35	35							X			X					
6	777			25	25							X			X					
7	778			15	15							X			X					
8	779			15	15													X		DV
9	780			15	15													X		DV
10	781			5	5							X			X					slow leak lower O-ring
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Ship: LSSL
Entered By: SR
Checked By:

Start Scan:
Bottom Depth: 69 m
ISUS Cleaned: (Y) N
Trans Cleaned: (Y) N
Camera On: Y N
In-Air Pressure:
Ice Coverage: 2 / 10

Time	Local	UTC
Start		1851
Bottom		
End		1909

Start Position
Lat: 72 ° 0360
Lon: 94 ° 35.149

Bottom Position
Lat: °
Lon: °

End Position
Lat: 72 ° 0360
Lon: 94 ° 33.976

Comments: _____

Water Properties Group

Rosette Log

For Diana Varela and Connie Lovejoy: Phyto/Micro

Cruise ID: 2007-19 Station: CARK6 Event #: 0219 Cast #: 49 CTD File: 49.dat UTC Date (dd mmm yyyy): 22 07 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Diana Varela											Connie Lovejoy								Bot Quality
				Target Pressure	Confirmed Pressure	Pro NC	Pro NH4	Pro U	PON POC	Bio Si	Chl a	PID _L	PID _F	Nut NH4	Nut Urea	Nut NPS	DIC	Fish E	DNA	Chl a	RNA	HP LC	Bac	Nut	Bio mas
1	782				77																				
2	783				70	✓	✓	✓	✓	✓	✓			✓	✓	✓									
3	784				70												✓								
4	785				50																				
5	786				50																				
6	787				35																				
7	788				30												✓								
8	789				30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									
9	790				25																				
10	791				25																				
11	792				20												✓								
12	793				20	✓	✓		✓	✓	✓	✓		✓	✓	✓									
13	794				16																				
14	795				10	✓	✓	✓	✓	✓	✓			✓	✓	✓									
15	796				10												✓								
16	797				10													2	2	2	2	2	1	1	1
17	798				10																				
18	799				5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									
19	800				5												✓								
20	801				5	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓									
21	802				5												✓								
22	803				5													2	2	2	2	2	1	1	1
23	804				5																				
24	805				5																				

Ship: LSSL
Entered By:
Checked By:

Start Scan:
Bottom Depth: 82 m
ISUS Cleaned: Y / N
Trans Cleaned: Y / N
Camera On: Y / N
In-Air Pressure:
Ice Coverage: / 10

Time	Local	UTC
Start		1525
Bottom		
End		

Start Position
Lat: 71 °56.923
Lon: 94 ° 17.331

Bottom Position
Lat: °
Lon: °

End Position
Lat: °
Lon: °

Comments:

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2007-19

Station: CA76

Event #: 0219

Cast #: 49

CTD File: 49.dat

UTC Date (dd mmm yyyy): 27 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Target Pressure	Confirmed ✓ Pressure	Oxy	DIC	Ph age	Chl a	DOC	CD OM	Bac	Alk	NH ₄	Nut	Sal	Ba	O18	VD			
1	782			77						✓	✓	✓	✓		✓			✓	✓	✓		
2	783			70																		
3	784			90																		
4	785			50						✓	✓	✓	✓		✓			✓	✓	✓		←
5	786			50																		
6	787			35						✓	✓	✓	✓		✓			✓	✓	✓		←
7	788			30																		
8	789			30																		
9	790			25																		←
10	791			25						✓	✓	✓	✓		✓			✓	✓	✓		
11	792			20																		
12	793			20																		
13	794			15						✓	✓	✓	✓		✓			✓	✓	✓		
14	795			10																		
15	796			10																		
16	797			10								✓										
17	798			10																		
18	799			5																		
19	800			5																		
20	801			5						✓	✓		✓		ⓧ			✓	✓	✓		
21	802			5																		
22	803			5								✓										
23	804			5																		
24	805			5																		

Ship: LSSL
Entered By:
Checked By:

Start Scan:
Bottom Depth: m
ISUS Cleaned: Y / N
Trans Cleaned: Y / N
Camera On: Y / N
In-Air Pressure:
Ice Coverage: 9 / 10

Time	Local	UTC
Start	1225	1525
Bottom		
End		

Start Position
Lat: 71 ° 56.923
Lon: 94 ° 17.331

Bottom Position
Lat: °
Lon: °

End Position
Lat: °
Lon: °

Comments: