

Water Properties Group

Rosette Log

For Diana Varela and Connie Lovejoy: Phyto/Micro

Cruise ID: 2007-19 Station: 1 Event #: 5 Cast #: 2 CTD File: 200719.002 UTC Date (dd mmm yyyy): 6 7 7

Bottle
Quality
dr

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Diana Varela														Connie Lovejoy							
				Target Depth	Confirmed ✓ Pressure	Pro 1	Pro 2	Pro 3	PON POC	Bio Si	Chl a	Phy IDL	Phy IDF	Nut NH4	Nut Urea	Nut NPS	DIC	BAC	DNA	Chl a	RNA	HP LC	Bac	Nut	Bio mas		
1	1			50	✓ 50													✓		✓	✓		✓	✓	✓	✓	
2	2		✓	30	✓ 30													✓		✓	✓		✓	✓	✓	✓	
3	3		✓	15	✓ 15													✓		✓	✓		✓	✓	✓	✓	
4	4		✓	15	✓ 15																	✓	✓				
5	5		✓	15	✓ 15																						
6	6		✓	15	✓ 15																						
7	7		✓	5	✓ 5													✓				✓	✓	✓	✓	✓	
8	8		✓	5	✓ 5													✓				✓	✓	✓	✓	✓	
9	9			5	✓ 5	✓	✓	✓							✓	✓	✓	✓									
10	10			5	✓ 5				✓	✓	✓	✓	✓														
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											

No Rosette log sheets:
1, 9, 19, 60 - CTD
43, 51, 57 - all bottles tripped 1 depth for curbs

Ship: LSSL
Entered By: SL
Checked By:

Start Scan:
Bottom Depth: 82 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.4
Ice Coverage: 0/10

Time	Local	UTC
Start	1023	1323
Bottom	1031	1331
End	1044	1344

Start Position
Lat: 51 ° 4.808
Lon: 57 ° 25.200

Bottom Position
Lat: 51 ° 4.809
Lon: 57 ° 25.200

End Position
Lat: 51 ° 4.962
Lon: 57 ° 25.166

No Rosette log
sheets:
1, 9, 19, 60 - CTD
43, 51, 57 - all bottles
tripped 1 depth for curk's

Comments: Discard bot 1 Note for processing Nisk 1 skipped!

Water Properties Group

Rosette Log

Geochem Cast

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

Cruise ID: 2007-19 Station: 1 Event #: 7 Cast #: 3 CTD File: 3 UTC Date (dd mmm yyyy): 6 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation			Samples Taken																Comments
				Target Depth	Confirmed ✓	Pressure	Oxy	DIC	Ph age	Chl a	DOC	CD OM	Bac	Alk	NH4	Nut	Sal	Ba	O18	POC	PON	Si	
1	11			B-5	✓	70																	
2	12			B-5	✓	70																	
3	13			75	✓	70			1														
4	14			75	✓	70			1														
5	15			75	✓	70																	
6	16			75	✓	70	4						1	1		1	3						2091/3038
7	17			50	✓	50																	2084/2051
8	18			50	✓	50	4						1	1		1	3						2033/2068/3209
9	19			25	✓	25																	3057
10	20			25	✓	25	4						1	1		1	3						2028/3052/
11	21			5	✓	5																	2032/3094
12	22			5	✓	5	4						1	1		1	3						2056/2027/
13	23			5	✓	5			1														2044/2085
14	24			5	✓	5			1														
15																							
16																							
17																							
18																							
19																							
20																							
21																							
22																							
23																							
24																							

Ship: LSSL
Entered By: sr
Checked By:

Start Scan:
Bottom Depth: 73 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.3 | 0.2
Ice Coverage: 0 / 10

Time	Local	UTC
Start	1241	1041 1541
Bottom	1249	1648 1548
End	1254	1654 1554

Start Position
Lat: 51 ° 5.948
Lon: 57 ° 25.612

Bottom Position
Lat: 51 ° 5.948
Lon: 57 ° 25.670

End Position
Lat: 51 ° 5.908
Lon: 57 ° 25.807

Comments: Oxy 2051 - air bubbles due to kink in V notch
3 sample # 17

Water Properties Group

Rosette Log

For Diana Varela and Connie Lovejoy: Phyto/Micro

Cruise ID: 2007-19 Station: 2 Event #: 9 Cast #: 4 CTD File: 200719-004 UTC Date (dd mmm yyyy): 7 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation			Diana Varela											Connie Lovejoy							Bot Quality	
				Target Depth	Confirmed ✓	Pressure	Pro 1	Pro 2	Pro 3	PON POC	Bio Si	Chl a	Phy IDL	Phy IDF	Nut NH4	Nut Urea	Nut NPS	DIC	Bac	DNA	Chl a	RNA	HP LC	Bac	Nut	Bio mas
1	25			180	✓	180												✓	2				✓	✓	✓	
2	26			120	✓	120												✓	2				✓	✓	✓	
3	27			50	✓	50												✓	2				✓	✓	✓	
4	28			50	✓	50	1	1	1					11	11	11										
5	29			50	✓	50				1	1	1	1				1									
6	30			41	✓	41												✓	2				✓	✓	✓	
7	31			28	✓	28												✓					✓	✓	✓	
8	32			28	✓	28											✓		2	✓	2					FISH-E
9	33			25	✓	25	1	1	1					11	11	11										
10	34			25	✓	25				1	1	1	1				1									
11	35			15	✓	15	1	1	1					11	11	11										
12	36			15	✓	15				1	1	1	1				1									
13	37			10	✓	10	1	1	1					11	11	11										
14	38			10	✓	10				1	1	1	1				1									
15	39			5	✓	5												✓					✓	✓	✓	
16	40			5	✓	5											✓		2	✓	2					
17	41			5	✓	5	1	1	1					11	11	11										
18	42			5	✓	5				1	1	1	1				1									
19	43			0	✓	1	1	1	1					11	11	11										
20	44			0	✓	1				1	1	1	1				1									
21																										
22																										
23																										
24																										

Ship: LSSL
Entered By: SM
Checked By:

Start Scan:
Bottom Depth: 207 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.3
Ice Coverage: 0 / 10

Time	Local	UTC
Start	0814	1114
Bottom	0832	1132
End	0852	1152

Start Position
Lat: 54 ° 15.258
Lon: 54 ° 6.027

Bottom Position
Lat: 54 ° 15.188
Lon: 54 ° 6.003

End Position
Lat: 54 ° 15.165
Lon: 54 ° 05.5995

Comments: DIC samples have bubble ~ 1/2 to 1 cm diameter except sample # 36⁺⁴⁴ Samp#36 has copepod.

Water Properties Group

Rosette Log

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

make copies for
Melissa, Christa, Bill = 3

Cruise ID: 2007-19 Station: 2 Event #: 0012 Cast #: 5 CTD File: 200719_005.ctd UTC Date (dd mmm yyyy): 7 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Target Depth	Confirmed Pressure	Oxy	DIC	Ph age	Chl a	DOC	CD OM	Bac	Alk	NH4	Nut	Sal	Ba	O18	POC	RON	Si	
1	45	2073		208	X	13-5	✓								✓	✓						
2	46			200	X	200		✓														
3	47			200	X	200		✓														
4	48	2074/2071/3142		200	X	200	3			✓	✓	1	✓		✓	✓	✓	✓				
5	49	3119/3206		150	✓	150	2			✓	✓	1	✓		✓	✓	✓	✓				
6	50	2099/3135		126	✓	125	2			✓	✓	1	✓		✓	✓	✓	✓				
7	51	3121		101	X	100	✓			✓	✓	1	✓		✓	✓	✓	✓				
8	52			75	✓	75		✓														
9	53			75	✓	75		✓														
10	54	3204		75	X	75	✓			✓	✓	1	✓		✓	✓	✓	✓				
11	55	3104		X 50	✓	50	1			✓	✓	✓	✓		2	✓	✓	✓				
12	56	2007		35	✓	35	1					✓	✓		✓	2	✓	✓				
13	57	2087		25	X	25	1			✓	✓	✓	✓		✓	✓	✓	✓				
14	58	3119		15	X	15	✓					✓	✓		✓	✓	✓	✓				
15	59			5	✓	5		✓														
16	60			5	✓	5		✓														
17	61	3108		5	X	5	✓			✓	✓	✓	✓		✓	✓	✓	✓				
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: LSSL
Entered By: SR
Checked By:

Start Scan:
Bottom Depth: 219 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.2/0.2
Ice Coverage: - / 10

Time	Local	UTC
Start	<u>1039</u>	<u>1339</u>
Bottom		<u>1347</u>
End	<u>1103</u>	<u>1403</u>

Start Position
Lat: 54 ° 15.570
Lon: 54 ° 06.45

Bottom Position
Lat: 54 ° 15.625
Lon: 54 ° 6.056

End Position
Lat: 54 ° 15.722
Lon: 54 ° 6.091

Comments: Niskin 14 mix-up, no water, for geochem.
Christa's Phage water is mix of 5+15 m depth.

Water Properties Group

Rosette Log

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

13, 12, 11, 7, 6

Cruise ID: 2007-19 Station: STA 3 Event #: 17 Cast #: 6 CTD File: 200719-006 UTC Date (dd mmm yyyy): 07 07 07

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Target Depth	Confirmed Pressure	Oxy	DIC	Ph age	Chl a	DOC	CD OM	Bac	Alk	NH4	Nut	Sal	Ba	O18	POC	PON	SI	
1	62			1000	1007	3				✓	✓		✓		✓	✓	✓	✓				
2	63			750	751																	
3	64			750	757	✓				✓	✓				2	2						
4	65			500	501	2				✓	✓				✓	✓						
5	66			350	350	✓				✓	✓				✓	✓						
6	67			250	249	✓				✓	✓		✓		✓	✓	✓	✓				NO TOP VALVE
7	68			225	225	✓							✓		✓	✓	✓	✓				" " "
8	69			200	199	2				✓	✓	✓	✓		✓	✓	✓	✓				
9	70			175	175	✓							✓		2	2	✓	✓				
10	71			150	150	✓				✓	✓	✓	✓		✓	✓	✓	✓				
11	72			125	124	✓				✓	✓	✓	✓		✓	✓	✓	✓				NO TOP VALVE
12	73			100	98	✓				✓	✓	✓	✓		✓	✓	✓	✓				Scratch distracted by ice cream
13	74			75	75	✓				✓	✓	✓	✓		✓	✓	✓	✓				NO TOP VALVE
14	75			50	50	✓				✓	✓	✓	✓		✓	✓	✓	✓				NO TOP VALVE
15	76			35	34	✓						✓	✓		2	2	✓	✓				
16	77			25	25	✓				✓	✓	✓	✓		✓	✓	✓	✓				
17	78			15	14	✓						✓	✓		✓	✓	✓	✓				NO TOP VALVE
18	79			5	5	✓				✓	✓	✓	✓		✓	✓	✓	✓				
19																						
20																						
21																						
22																						
23																						
24																						

Ship: LSSL
Entered By: SZ
Checked By:

Start Scan:
Bottom Depth: m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure:
Ice Coverage: 0/10

Time	Local	UTC
Start	1917	2217
Bottom		
End	2024	2324

Start Position
Lat: 55 ° 58.038
Lon: 53 ° 15.650

Bottom Position
Lat: 55 ° 57.930
Lon: 53 ° 15.43

End Position
Lat: 55 ° 57.651
Lon: 53 ° 15.396

Comments: Primary oxygen reading 6. ; Top valve not tightened on all bottles, lost 7 valves (6, 7, 11, 12, 13, 14, 17) ^{Niskins}

Water Properties Group

Rosette Log

For Diana Varela and Connie Lovejoy: Phyto/Micro

Cruise ID: 2007-19 Station: L54 Event #: 0019 Cast #: 7 CTD File: 7 UTC Date (dd mmm yyyy): 8 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Diana Varela												Connie Lovejoy								Bot Quality	
				Target Depth	Confirmed Pressure	Pro 1	Pro 2	Pro 3	PON POC	Bio Si	Chl a	Phy IDL	Phy IDF	Nut NH4	Nut Urea	Nut NPS	DIC	Fish E	DNA	Chl a	RNA	HP LC	Bac	Nut	Bio mas	OXY	SAL
1	77			3000	3000													1	2	2			1	1	1		
2	78	2068		2000	2000																					X	X
3	79	3057		1500	1498													1	2	2			1	1	1	X	X
4	80			1000	998																					X	X
5	81			100	100													1	2	2	2		1	1	1		
6	82			100	100																						
7	83			60	60	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
8	84			60	60																						
9	85			45	45													1	2	2	2		1	1	1		
10	86			45	45																						
11	87			40	40	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
12	88			40	40																						
13	89			30	30													1	2	2	2	1	1	1	1		
14	90			30	30																						
15	91			13	13	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓										
16	92			13	13																						
17	93			10	10	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓										
18	94			10	10																						
19	95			5	5													1	2	2	2	1	1	1	1		
20	96			5	5																						
21	97			5	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
22	98			5	5																						
23	99			0		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓										
24	100			0																							

Ship: LSSL
Entered By: SA
Checked By:

Start Scan:
Bottom Depth: 3382 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	0925	1325
Bottom	1020	1320
End	1133	1433

Start Position
Lat: 53 ° 29 0/6
Lon: 53 ° 32 740

Bottom Position
Lat: 53 ° 29 340
Lon: 53 ° 35 730

End Position
Lat: 53 ° 29 532
Lon: 53 ° 35 851

Comments: 1000, 1500, 2000 required, bottle #3 problem with Seal O-Ring on end cap? only ~1 l water inside.
Fill #1 w/ly standard water (be w/ water from within 2 (2000m))
Bottle 3 was sampled by mistake by Connie instead of bottle 4

Water Properties Group

Rosette Log

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

Cruise ID: 2007-19 Station: A Event #: 0022 Cast #: 8 CTD File: 200719-008.dat UTC Date (dd mmm yyyy): 8 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Target Depth	Confirmed Pressure	Oxy	DIC	Ph age	Chl a	DOC	CD OM	Bac	Alk	NH4	Nut	Sal	Ba	O18	ROC	PON	Si	
1	101			6-10	3469	3						X			X	X						
2	102			3000	3002	X						X			2	2						
3	103			2500	2000	2						X			X	X						← Water for
4	104			1000	1000			X														← Around
5	105			1000	1000	X		X		X	X	X		X	X	X						← Strainer
6	106			750	749			X														←
7	107			750	749	X		X		X	X	X			X	X						
8	108			500	500			X														←
9	109			800	500	X		X		X	X	X			X	X						
10	110			400	400	X						X			2	2						
11	111			300	300	X				X	X	X			X	X						
12	112			250	250	X				X	X	X		X	X	X						
13	113			250	250			X														←
14	114			200	200	X		X		X	X	X		X	2	2						
15	115			150	150	2				X	X	X		X	X	X						
16	116			125	125	X				X	X	X			X	X						
17	117			100	100	X				X	X	X		X	X	X						
18	118			75	75			X														←
19	119			75	75	X		X		X	X	X			X	X						
20	120			50	50	X				X	X	X			2	2						
21	121			35	35	X						X			X	X						
22	122			25	25	X				X	X	X			X	X						
23	123			5	5	X		X		X	X	X			X	X						
24	124			5	5			X														←

Ship: LSSL
Entered By: SL
Checked By:

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

Time	Local	UTC
Start	1254	1554
Bottom	1356	1656
End	1524	1823

Start Position
Lat: 58 ° 29.953
Lon: 53 ° 40.954

Bottom Position
Lat: 58 ° 29.953
Lon: 53 ° 40.954

End Position
Lat: 58 ° 30.191
Lon: 53 ° 41.287

Comments: 1500, 2000 m depths taken during CTD cast 7
Down at 60 m/m

Water Properties Group

Rosette Log

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

Cruise ID: 2007-19 Station: L55 Event #: 0025 Cast #: 10 CTD File: 200719_10.dat UTC Date (dd mmm yyyy): 7 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	125			1000	1000																	Not used
2	126	3109/3107/3100		1000	1000					x	x	x			x	x						
3	127			1000	1000			x														
4	128	3137		750	750	x				x	x	x			x	x						
5	129			750	750			x														
6	130	2086		500	500	x				x	x	x			x	x						
7	131			500	500			x														
8	132	2087		350	349	x				x	x	x			2	2						
9	133	3126/3113		300	300							x			x	x						
10	134	3123/1		250	250	x				x	x	x			x	x						
11	135			250	250			x														
12	136	2088		200	200	x				x	x	x			2	2						
13	137	2090		175	175	x						x			x	x						
14	138	3121		150	149	x				x	x	x			x	x						
15	139	3189		125	125	x				x	x	x			x	x						
16	140	3118		100	100	x			x	x	x	x			x	x						
17	141	2073		75	73	x			x	x	x	x			x	x						
18	142			75	25			x														
19	143	3200		50	50	x			x	x	x	x			x	x						
20	144	3204/3119		35	35				x			x			2	2						← changed!
21	145			25	25	x			x	x	x	x			2	2						
22	146	3108		25	15	x			x			x			x	x						did not trip
23	147	2099		5	5	x			x	x	x	x			x	x						latch released but must have hung up
24	148			5	5			x														

Ship: LSSL
Entered By: *SM*
Checked By:

Start Scan: 2643
Bottom Depth: 2600 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.6 / 0.3
Ice Coverage: — / 10

Time	Local	UTC
Start	0822	1122
Bottom	0847	1147
End	0922	1222

Start Position
Lat: 61 ° 51.867
Lon: 54 ° 57.406

Bottom Position
Lat: 61 ° 51.904
Lon: 54 ° 57.311

End Position
Lat: 61 ° 51.950
Lon: 54 ° 57.263

Comments: ? NH₄ - 3000, 2500, etc - what ever is deepest and clean Niskin 8 Bottom Valve is tight.
data for CTD & Btl
Niskin 8 sensor not powered on for cast

Water Properties Group

Rosette Log

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

Geochem evening cast

Cruise ID: 2007-19 Station: LS 6 Event #: 35 Cast #: 11 CTD File: 200719-011 UTC Date (dd mmm yyyy): 09 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	149			✓1000		3				✓	✓	✓			✓	✓						
2	150			✓750		✓				✓	✓	✓			2	2						
3	151			✓500		2				✓	✓	✓			✓	✓						
4	152			✓350		✓				✓	✓	✓			✓	✓						
5	153			✓250		✓				✓	✓	✓			2	2						
6	154			✓225		✓						✓			✓	✓						
7	155			✓200		2				✓	✓	✓			✓	✓						
8	156			✓175		✓						✓			2	2						
9	157			✓150		✓				✓	✓	✓			✓	✓						
10	158			✓125		✓						✓			✓	✓						
11	159			✓100		✓				✓	✓	✓			✓	✓						
12	160			✓75		✓						✓			✓	✓						
13	161			✓50		✓				✓	✓	✓			✓	✓						
14	162			✓35		✓						✓			✓	✓						
15	163			✓25		✓				✓	✓	✓			✓	✓						
16	164			✓15		✓						✓			✓	✓						
17	165			✓5		✓				✓	✓	✓			✓	✓						
18	166																					
19	167																					
20	168																					
21	169																					
22	170																					
23	171																					
24	172																					

Ship: LSSL
Entered By: SZ/DS/VK/TC
Checked By:

Start Scan: @ 1463
Bottom Depth: 1182 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure:
Ice Coverage: 0/10

Time	Local	UTC
Start	1832	2132
Bottom	1854	2154
End	1938	2231

Start Position
Lat: 63° 32.117 N
Lon: 55° 54.156 W

Bottom Position
Lat: °
Lon: °

End Position
Lat: 63° 32.413 N
Lon: 55° 54.072 W

Comments: 5, 75, 250, 500, 750, 1000 PAR opened prior to cast hoping to replace bulkhead connector. Spare connector did not fit so PAR closed up.
PAR reading 10 during starting soak so brought back to deck, removed PAR and restarted cast.
A govt @ 600m PAR fixed and remounted on frame after cast.
with new spliced in cable

Water Properties Group

Rosette Log

For Diana Varela and Connie Lovejoy: Phyto/Micro

Cruise ID: 2007 79 Station: LS7 Event #: 0040 Cast #: 012 CTD File: 200719_012.dat UTC Date (dd mmm yyyy): 10 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Diana Varela												Connie Lovejoy								Bot Quality
				Target Depth	Confirmed ✓ Pressure	Pro 1	Pro 2	Pro 3	PON POC	Bio Si	Chl a	Phy IDL	Phy IDF	Nut NH4	Nut Urea	Nut NPS	DIC	Fish E	DNA	Chl a	RNA	HP LC	Bac	Nut	Bio mas	
1	166			310	310													2	2			1	1	1		
2	167			300	300																					
3	168			300	300																					
4	169			225	225													2	2			1	1	1		
5	170			190	190													2	2	2		4	1	1		
6	171			190	190																					
7	172			100	100													2	2	2		1	1	1		
8	173			100	100																					
9	174			50	50												✓									
10	175			50	50	✓	✓	✓	✓	✓	✓✓	✓	✓	✓✓	✓✓	✓✓										
11	176			25	25													1	2	2	2	2	1	1	1	
12	177			25	25																					
13	178			25	25												✓						1	1		
14	179			25	25	✓	✓	✓	✓	✓	✓✓	✓	✓	✓✓	✓✓	✓✓										
15	180			15	15												✓									
16	181			15	15	✓	✓	✓	✓	✓	✓✓	✓		✓✓	✓✓	✓✓										
17	182			10	10													1	2	2	2	2	1	1	1	
18	183			10	10																					
19	184			10	10												✓									
20	185			10	10	✓	✓	✓	✓	✓	✓	✓		✓✓	✓✓	✓✓										
21	186			5	5												✓									
22	187			5	5	✓✓	✓	✓	✓	✓	✓	✓	✓	✓✓	✓✓	✓✓										
23	188			0	1												✓									
24	189			0	1	✓	✓	✓	✓	✓	✓✓	✓		✓✓	✓✓	✓✓										

SHIP: LSSL
Entered By: ST
Checked By:

Start Scan:
Bottom Depth: 581 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	0813	1113
Bottom	0833	1133
End	0902	1202

Start Position
Lat: 66 ° 01.04
Lon: 57 ° 39.96

Bottom Position
Lat: 66 ° 01.59
Lon: 57 ° 40.144

End Position
Lat: 66 ° 00.086
Lon: 57 ° 40.647

Comments: Connie - 10 bot + 500 (stubby spigot on 8)
Diana - 12 bot + 100

chl-S } for the chl-a labels
chl-L }

Water Properties Group

Rosette Log

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

Cruise ID: 2007-19 Station: LS7 Event #: 1245 Cast #: 13 CTD File: 200719-013.dat ~~013.dat~~ UTC Date (dd mmm yyyy): 10 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	Q18				
1	151			5-5	582	X																
2	152			6-5	582	(3)																
3	153			5-5	581																	
4	154			6-5	586	X									(2)	(2)						
5	155			300	500																	
6	156			300	500	2		✓		✓	✓	✓			✓	✓						
7	157			350	350	✓				✓	✓	✓		✓✓	2	2						
8	158			250	250			(✓)														
9	155			250	250	✓				✓	✓	✓		✓✓	✓	✓						
10	200			225	225	✓						✓			✓	✓						
11	201			200	200	✓				✓	✓	✓		✓✓	✓	✓						
12	202			175	175	✓																
13	203			150	150	✓				✓	✓	✓		✓✓	✓	✓						
14	204			125	125	✓				✓	✓	✓			✓	✓						
15	205			100	100	2				✓	✓	✓		✓✓	2	2						
16	206			75	75			(✓)														
17	207			75	75	✓		✓		✓	✓	✓			✓	✓						
18	208			50	50	✓				✓	✓	✓			✓	✓						
19	209			35	35	✓						✓			✓	✓						
20	210			25	25	✓				✓	✓	✓			✓	✓						
21	211			15	15	✓						✓			✓	✓						
22	212			5	5			(✓)														
23	213			5	5	✓		✓		✓	✓	✓			✓	✓						
24																						

Ship: LSSL
Entered By: SL
Checked By:

Start Scan:
Bottom Depth: 590 m
ISUS Cleaned: Y/(N)
Trans Cleaned: Y/(N)
Camera On: Y/(N)
In-Air Pressure: 0.5 / 0.3
Ice Coverage: — / 10

Time	Local	UTC
Start	1037	1237
Bottom	1053	1253
End	1118	1418

Start Position
Lat: 66 ° 0.007
Lon: 57 ° 40.377

Bottom Position
Lat: 65 ° 59.955
Lon: 57 ° 40.199

End Position
Lat: 65 ° 59.894
Lon: 57 ° 40.332

Comments: Bottom depth shallower than expected so bottom bottles
skipped.

Water Properties Group

Rosette Log

For Diana Varela and Connie Lovejoy: Phyto/Micro

Cruise ID: 2007-19 Station: BB1 Event #: 0052 Cast #: 14 CTD File: 14.dct UTC Date (dd mmm yyyy): 11 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	Phage	
1	214			220	220														2	2			1	1	4		
2	215			175	175														2	2			1	1	4		
3	216			90	90														2	2	2		1	1	1		
4	217			90	90																						
5	218			80	80												✓										
6	219			80	80	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
7	220			75	75																						
8	221			75	75																					← X	
9	222			55	55														2	2	2		1	1	1		
10	223			55	55																						
11	224			35	35												✓										
12	225			35	35	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
13	226			30	30													2	2	2	2	2	1	1	1		
14	227			30	30																						
15	228			5	5													2	2	2	2	2	1	1	1		
16	229			5	5																						
17	230			5	5																						
18	231			5	5																					← X	
19	232			0	1												✓										
20	233			0	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
21																											
22																											
23																											
24																											

Ship: LSSL
Entered By: RL
Checked By:

Start Scan:
Bottom Depth: 294 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure:
Ice Coverage: / 10

Time	Local	UTC
Start	0809	1109
Bottom	0824	1124
End	0844	1144

Start Position
Lat: 68 ° 11.720
Lon: 56 ° 25.130

Bottom Position
Lat: 68 ° 11.720
Lon: 56 ° 25.130

End Position
Lat: 68 ° 11.720
Lon: 56 ° 25.130

Comments:

Water Properties Group

Rosette Log

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

Cruise ID: 2007-19 Station: B81 Event #: 0058 Cast #: 15 CTD File: 200719-15.dat UTC Date (dd mmm yyyy): 11 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	234	20153050 ³⁰⁴⁹		5-5	244	3						X			X	2	X	X				
2	235	2069		225	225	X						X			2	X						
3	236	3058		200	200	X				X	X	X		2	X	X	X	X				
4	237	3100		175	175	X						X			X	X	X	X				
5	233	3075, 3028		150	150	2				X	X	X		2	X	X	X	X				
6	235	2025		125	125	X				X	X	X			X	X	X	X				
7	240	2032		100	100	X				X	X	X	X	2	X	X	X	X				
8	241	2060		75	75	X				X	X	X	X	2	X	X	X	X				
9	242			75	75			X														←
10	243	3094		50	50	X				X	X	X	X		X	X	X	X				
11	244	3049, 2063		35	35	2						X	X		2	2	X	X				
12	245	2061		25	25	X				X	X	X	X		X	X	X	X				
13	246	3203		15	15	X				X	X	X	X		X	X	X	X				
14	247	3038		5	5	X				X	X	X	X		X	X	X	X				
15	248			5	5			X														←
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: LSSL
Entered By: SR
Checked By:

Start Scan:
Bottom Depth: 252 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 03 / 0.2
Ice Coverage: / 10

Time	Local	UTC
Start	0942	1242
Bottom	0950	1250
End	1007	1307

Start Position
Lat: 68 ° 11.70
Lon: 56 ° 25.23

Bottom Position
Lat: 68 ° 11.70
Lon: 56 ° 25.23

End Position
Lat: 68 ° 11.70
Lon: 56 ° 25.23

Comments: Bottom valve on 8 still sticking

Water Properties Group

Rosette Log

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

Cruise ID: 2007-19 Station: BB2 Event #: 0062 Cast #: 16 CTD File: 200719-016 UTC Date (dd mmm yyyy): 11 07 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				
X	249	249		655	312	3										2						Not to be used
21	250	250		250	250	3										2	2					bot (1)
32	251	251		225	225	✓										✓	✓					01/51
43	252	252		200	200	2										2	2	✓	✓			
54	253	253		175	175	✓										✓	✓	✓	✓			
65	254	254		150	150	✓										✓	✓	✓	✓			
76	255	255		125	125	✓										✓	✓	✓	✓			
87	256	256		100	100	✓										✓	✓	✓	✓			
98	257	257		75	75	✓										✓	✓	✓	✓			
109	258	258		50	50	2										✓	✓	✓	✓			
110	259	259		35	35	✓										✓	✓	✓	✓			
121	260	260		25	25	✓										✓	✓	✓	✓			
132	261	261		15	15	✓										✓	✓	✓	✓			
143	262	262		5	5	✓										2	2	✓	✓			
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: LSSL
Entered By: SM
Checked By:

Start Scan:
Bottom Depth: 323 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.3 | 0.3
Ice Coverage: - / 10

Time	Local	UTC
Start	1439	1739
Bottom	1449	1749
End	1518	1818

Start Position
Lat: 68 ° 23.338
Lon: 57 ° 43.845

Bottom Position
Lat: 68 ° 23.318
Lon: 57 ° 43.849

End Position
Lat: 68 ° 23.262
Lon: 57 ° 43.828

Comments:

Water Properties Group

Rosette Log

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

Cruise ID: 2007-19 Station: B3 Event #: 0065 Cast #: 17 CTD File: 200719-017 UTC Date (dd mmm yyyy): 11 JUL 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Target Pressure	Confirmed Pressure	Oxy	DIC	Ph	CHI	DOC	CB	Bac	Alk	NH ₄	Nut	Sal	Ba	O18				
1	263	3051	3181/3204	1000	1000	3				✓	✓	✓	✓		✓	2	✓	✓				
2	264	3130		750	750	✓				✓	✓	✓			2	2						
3	265	3043	3183	500	501	2				✓	✓	✓			✓	✓						
4	266	3004		350	347	✓				✓	✓	✓			✓	✓						
5	267	3201		250	248	✓				✓	✓	✓	✓		✓	✓	✓	✓				
6	268	3040		225	225	✓				✓	✓	✓			✓	✓						
7	269	3069		200	200	✓				✓	✓	✓	✓		✓	✓	✓	✓				
8	270	3018		175	175	✓				✓	✓	✓			✓	✓						
9	271	3067		150	148	✓				✓	✓	✓	✓		✓	✓	✓	✓				
10	272	3202		125	125	✓				✓	✓	✓	✓		✓	✓	✓	✓				
11	273	3047		100	99	✓				✓	✓	✓	✓		2	✓	✓	✓				
12	274	3007		75	75	✓				✓	✓	✓	✓		✓	✓	✓	✓				
13	275	3082		50	50	✓				✓	✓	✓	✓		✓	✓	✓	✓				
14	276	3061		35	35	✓						✓	✓		✓	✓	✓	✓				
15	277	3016		25	25	✓				✓	✓	✓	✓		2	✓	✓	✓				
16	278	3200		15	15	✓						✓	✓		✓	✓	✓	✓				
17	279	3084	3006	5	4	2				✓	✓	✓	✓		✓	2	✓	✓				
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: LSSL
Entered By: sz/ds
Checked By:

Start Scan: 1050m/s
Bottom Depth: 1016+9 m
ISUS Cleaned: (Y)/N
Trans Cleaned: (Y)/N
Camera On: Y/N
In-Air Pressure: 0.5
Ice Coverage: 1/10

Time	Local	UTC
Start	1955	2255
Bottom	2020	2320
End	2059	2351

Start Position
Lat: 68 ° 34.222
Lon: 59 ° 42.524

Bottom Position
Lat: X ° X
Lon: X ° X

End Position
Lat: 68 ° 34.370
Lon: 59 ° 42.718

Comments: A gear @ 600. Secondary oxygen (V4) is reading 5V steady - not good. Secondary conductivity 0.01 out, and secondary briefly went to 940 ms/cm. Transmission looks bad? No - real signal btw 700 - bottom

5 July 2007

Alk #7 bottle broke - re filled into new bottle

Duct between T-C had come loose. Connection to secondary oxygen had come apart. Both fixed prior to next cast (18)

<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: B134 Event #: 68 Cast #: 18 CTD File: 200719_018 UTC Date (dd mmm yyyy): 12 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	280	3012/3009	3003	1000	1002	3				✓	✓	✓	✓		2	2	✓	✓				
2	281	3124		750	747	✓				✓	✓	✓			✓	2						
3	282	3048		500	500	✓				✓	✓	✓			✓	✓						
4	283	3019		350	354	✓				✓	✓	✓			✓	✓						Bottom closed w/out wait
5	284	3033		250	249	✓				✓	✓	✓	✓		✓	✓	✓	✓				
6	285	3116		225	226	✓						✓			✓	✓						
7	286	3024		200	200	✓				✓	✓	✓	✓		✓	✓	✓	✓				
8	287	3107	3137	175	176	2						✓			✓	✓						
9	288	3123		150	150	✓				✓	✓	✓	✓		2	✓	✓	✓				
10	289	3109		125	125	✓				✓	✓	✓	✓		✓	✓	✓	✓				
11	290	2051		100	100	✓				✓	✓	✓	✓		✓	✓	✓	✓				
12	291	3121		75	75	✓				✓	✓	✓	✓		✓	✓	✓	✓				
13	292	3189		50	50	✓				✓	✓	✓	✓		✓	✓	✓	✓				
14	293	2099		35	35	✓						✓	✓		✓	✓	✓	✓				bottom leak valve
15	294	3204		25	25	✓				✓	✓	✓	✓		✓	✓	✓	✓				
16	295	3118	2073	15	15	2						✓	✓		✓	✓	✓	✓				
17	296	3206		5	5	✓				✓	✓	✓	✓		2	2	✓	✓				
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: LSSL
Entered By: SZ
Checked By:

Start Scan: ss 14.50
Bottom Depth: 1676+9 m
ISUS Cleaned: (Y) N
Trans Cleaned: (Y) N
Camera On: Y (N)
In-Air Pressure:
Ice Coverage: 2-3 / 10

Time	Local	UTC
Start	<u>2349</u>	<u>0249</u>
Bottom	<u>0015</u>	<u>0315</u>
End	<u>0053</u>	<u>0353</u>

Start Position
Lat: 68 ° 40.807
Lon: 60 ° 30.829

Bottom Position
Lat: 68 ° 40.876
Lon: 60 ° 30.801

End Position
Lat: 68 ° 40.966
Lon: 60 ° 30.086

Comments: ship discharge (clear)
stopped @ 695 db for ice piece to move safely by.
some outflow is occurring forward of A-frame ~ below net? Bridge aware but unsure what this is. Engine room
says they are not pumping. Secondly oxygen sensor is working (had been a config file error)

Water Properties Group

Rosette Log

For Diana Varela and Connie Lovejoy: Phyto/Micro

Cruise ID: 2007-19 Station: BB5 Event #: 0072 Cast #: 20 CTD File: 200719_020.dat UTC Date (dd mmm yyyy): 12 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	297			1000	1000													2	2			1	1	1	
2	298			500	500																				
3	299			500	500																				
4	300			400	400													2	2			1	1	1	
5	301			190	190													2	2	2		1	1	1	
6	302			190	190																				
7	303			65	65																				
8	304			65	65	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								
9	305			60	60													2	2	2		1	1	1	
10	306			60	60																				
11	307			40	40												✓								
12	308			40	40	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								
13	309			28	28													2	2	2	2	2	1	1	1
14	310			28	28																				
15	311			20	20												✓								
16	312			20	20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									
17	313			10	10												✓								
18	314			10	10	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓									
19	315			10	10													2	2	2	2	2	1	1	1
20	316			10	10																				
21	317			5	5												✓								X DNT
22	318			5	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									X DNT
23	319			0	1												✓								
24	320			0	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									X DNT

Ship: LSSL
Entered By: SN
Checked By:

Start Scan: 1850
Bottom Depth: 1800 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.4
Ice Coverage: 7 / 10

Time	Local	UTC
Start	<u>0926</u>	<u>1226</u>
Bottom	<u>0952</u>	<u>1252</u>
End	<u>1019</u>	<u>1319</u>

Start Position
Lat: 68° 49.345
Lon: 61° 45.627

Bottom Position
Lat: 68° 49.804
Lon: 61° 45.590

End Position
Lat: 68° 49.350
Lon: 61° 45.422

Comments: *Note samples 317, 319, 320 taken on another cast (no CTD log) shortly after

Water Properties Group

Rosette Log

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

Cruise ID: 2007-19 Station: B3 BB5 Event #: 73 Cast #: 21 CTD File: 21.dat UTC Date (dd mmm yyyy): 12 7 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Target Pressure	Confirmed ✓ Pressure	Oxy	DIO	Ph age	Chl a	DOC	CD OM	Bac	Alk	NH ₄	Nut	Sal	Ba	O18				
1	321			1000	1000			✓					✓			2						←
2	322			1000	1000	3				✓	✓	✓	✓		✓	2	✓	✓				
3	323			750	750			✓														←
4	324			750	750	✓				✓	✓	✓			2	✓						
5	325			500	500			✓														←
6	326			500	500	2				✓	✓	✓			✓	2						
7	327			350	350	✓				✓	✓	✓			✓	✓						←
8	328			250	250			✓														
9	329			250	250	✓				✓	✓	✓	✓	✓	2	✓	✓	✓				
10	330			225	225	✓						✓			✓	✓						
11	331			200	200	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓				
12	332			175	175	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓				
13	333			150	150	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓				
14	334			125	125	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓				
15	335			100	100	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓				
16	336			75	75			✓														←
17	337			75	75	✓				✓	✓	✓	✓		✓	✓	✓	✓				
18	338			50	50	✓				✓	✓	✓	✓		✓	✓	✓	✓				
19	339			35	35	✓						✓	✓		✓	✓	✓	✓				
20	340			25	25	✓				✓	✓	✓	✓		2	✓	✓	✓				
21	341			15	15	✓						✓	✓		✓	✓	✓	✓				
22	342			5	5			✓														←
23	343			5	5	✓				✓	✓	✓	✓		✓	2	✓	✓				
24																						

Ship: LSSL
Entered By: SR
Checked By:

Start Scan:
Bottom Depth: 1850 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.5
Ice Coverage: 8 / 10

Time	Local	UTC
Start	<u>1143</u>	<u>1443</u>
Bottom	<u>1206</u>	<u>1506</u>
End	<u>1237</u>	<u>1537</u>

Start Position
Lat: 68 ° 49.787
Lon: 61 ° 45.330

Bottom Position
Lat: 68 ° 49.725
Lon: 61 ° 45.164

End Position
Lat: 68 ° 49.670
Lon: 61 ° 45.036

Comments: _____

Water Properties Group

Rosette Log

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

Geochem

Cruise ID: 2007-19 Station: BB6 Event #: 22 Cast #: 22 CTD File: 200719-22.dat UTC Date (dd mmm yyyy): 12 7 7

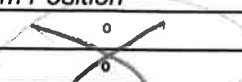
Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Target Pressure	Confirmed Pressure	Oxy	DIC	Rh age	Chl a	DOC	CD OM	Bac	Alk	NH4	Nut	Sal	Ba	O18				
1	344	3183/3019	3207	1000	1005	3				✓	✓	✓	✓		2	2	✓	✓				
2	345	3051		750	750	✓				✓	✓	✓			✓	✓						
3	346	3069		500	495	✓				✓	✓	✓			✓	2						
4	347	3130		350	350	✓				✓	✓	✓			✓	✓						
5	348	3178		250	250	✓				✓	✓	✓	✓		✓	✓	✓	✓				
6	349	3202		225	225	✓						✓			✓	✓						
7	350	3040		200	200	✓				✓	✓	✓	✓		✓	✓	✓	✓				
8	351	3043	3004	175	175	2				✓		✓			✓	✓						
9	352	3067		150	149	✓				✓	✓	✓	✓		✓	✓	✓	✓				
10	353	3019		125	124	✓				✓	✓	✓	✓		✓	✓	✓	✓				
11	354	3124		100	100	✓				✓	✓	✓	✓		2	✓	✓	✓				
12	355	3007		75	75	✓				✓	✓	✓	✓		✓	✓	✓	✓				
13	356	3207		50	50	✓				✓	✓	✓	✓		✓	✓	✓	✓				
14	357	3200		35	35	✓						✓	✓		✓	✓	✓	✓				
15	358	3033		25	25	✓				✓	✓	✓	✓		✓	✓	✓	✓				
16	359	3016	3004	15	15	✓						✓	✓		✓	✓	✓	✓				
17	360	3084	3006	5	5	2				✓	✓	✓	✓		2	2	✓	✓				
18	361																					
19	362																					
20	363																					
21	364																					
22	365																					
23	366																					
24																						

Ship: LSSL
Entered By:
Checked By:

Start Scan:
Bottom Depth: 1608 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.5
Ice Coverage: 7 / 10

Time	Local	UTC
Start	1715	2015
Bottom		
End	1817	2117

Start Position
Lat: 68 ° 25.644
Lon: 62 ° 56.240

Bottom Position
Lat: 
Lon:

End Position
Lat: 68 ° 25.798
Lon: 62 ° 56.782

Comments: Trans ✓ ISUS ✓ PAR ✓ Valves x2 ✓ Noodles ✓

18
15
10mm
19

Water Properties Group

Rosette Log

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

salt @ 5m 32

Geochem

Cruise ID: 2007-19 Station: BB7 Event #: 0081 Cast #: 23 CTD File: 200719-023.dat UTC Date (dd mmm yyyy): 12 Jul 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1	361	3118	3083	3204	1000		1006	3					✓	✓	✓	✓		2	2	✓	✓																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

Ship: LSSL
Entered By: SZ
Checked By:

Start Scan:
Bottom Depth: 1247 + 9 1550 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.4
Ice Coverage: 5 / 10

Time	Local	UTC
Start	2023	2323
Bottom	2051	2351
End	2129	0029

Start Position
Lat: 68 ° 14.885
Lon: 63 ° 33.081

Bottom Position
Lat: 68 ° 15.022
Lon: 63 ° 32.892

End Position
Lat: 68 ° 15.193
Lon: 63 ° 32.666

Comments: Ballin Island in the distance

Water Properties Group

Rosette Log

For Diana Varela and Connie Lovejoy: Phyto/Micro + Winter

Cruise ID: 2007-19

Station: BB8

Event #: 084

Cast #: 24

CTD File: 200719-024

UTC Date (dd mmm yyyy): 13 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	Phage	
1	380			150	150														2	2	2		X	1	1		
2	381			85	85														2	2	2		X	1	1		
3	382			75	75																					✓	
4	383			60	60	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
5	384			60	60												✓										
6	385			50	50													2	2	2	2		X	1	1		
7	386			50	50													2	2	2	2		X	1	1		
8	387			40	40													2	2	2	2		X	1	1		
9	388			40	40																						
10	389			40	40	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
11	390			40	40												✓										
12	391			30	30													2	2	2	2	2	X	1	1		
13	392			30	30																						
14	393			5	4.5																						
15	394			5	4.5													2	2	2	2	2	X	1	1	130 sec	
16	395			5	4.5																						
17	396			5	4.5												✓										
18	397			5	4.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
19	398			5	4.5																						
20																											
21																											
22																											
23																											
24																											

Ship: LSSL
Entered By:
Checked By:

Start Scan:
Bottom Depth: 14.2^m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure:
Ice Coverage: 4/10

Time	Local	UTC
Start	0003	303
Bottom		
End	0029	0329

Start Position
Lat: 68 ° 05.445
Lon: 64 ° 00.387

Bottom Position
Lat: °
Lon: °

End Position
Lat: 68 ° 05.411
Lon: 64 ° 00.357

Comments: @ 15 m noticed PAR, Fluoro had become fixed values. stopped and restarted cast but same problem. Landed on deck, stopped, played back cast and saw values were fine. Christian Winter took his phage. Same bug as we've seen before. So redeployed and all went fine. Samples ~~done~~ on this cast.
Need to change file name 200719-24c.dat back to 200719-024.dat.

7 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

Salt = 31.5 @ surf

May 150+5
Geochem

Cruise ID: 2007-19 Station: B38 Event #: 085 Cast #: 25 CTD File: 200719_025 UTC Date (dd mmm yyyy): 13 Jul 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Target Pressure	Confirmed Pressure	Oxy	DIC	Phage	Chl a	DOC	CD OM	Bac	Alk	NH ₄	Nut	Sal	Ba	O18				
1	399	2092		150	150	✓				✓	✓	✓	✓	✓	✓	2	✓	✓				
2	400	3126	3135/2	125	125	3				✓	✓	✓	✓	✓	✓	✓	✓	✓				
3	401	3028		100	100	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓				
4	402	3209		75	75	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓				
5	403	3098	3075	50	50	2				✓	✓	✓	✓		2	✓	✓	✓				
6	404	2069		35	35	✓						✓	✓		✓	✓	✓	✓				
7	405	3038		25	24	✓				✓	✓	✓	✓		✓	✓	✓	✓				
8	406	2015		15	15	✓						✓	✓	✓	2	✓	✓	✓				
9	407	2032		5	5	✓				✓	✓	✓	✓		✓	2	✓	✓				
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: LSSL
Entered By:
Checked By:

Start Scan:
Bottom Depth: 146+9 m 150 ss
ISUS Cleaned: Y / N
Trans Cleaned: Y / N
Camera On: Y / N
In-Air Pressure: 0.4
Ice Coverage: 4 / 10

Time	Local	UTC
Start	<u>0148</u>	<u>0448</u>
Bottom	<u>0159</u>	<u>0459</u>
End	<u>0212</u>	<u>0512</u>

Start Position
Lat: 68 ° 05.366
Lon: 63 ° 59.964

Bottom Position
Lat: X °
Lon: X °

End Position
Lat: 68 ° 05.368
Lon: 63 ° 59.894

Comments: 00.40.5

Water Properties Group

Rosette Log

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

Cruise ID: 2007-19 Station: BB9 Event #: ¹⁰¹~~0296~~ Cast #: 26 CTD File: 200719_026.dat UTC Date (dd mmm yyyy): 13 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	408	2063/3014	3100	1000	1000	3				X	X	X			X	X	X	X				
2	409			1000	1000			X														← did not close
3	410	3203		750	750	X				X	X	X			2	2						fired but hung up
4	411	305		750	750			X														←
5	412	3058		500	499	X				X	X	X			X	X						
6	413			500	499			X														←
7	414	2060		350	350	X				X	X	X			X	X						
8	415	2061		250	250	X				X	X	X	X	2	X	X	X	X				
9	416			250	250			X														←
10	417	2049		225	224	X						X										
11	418	2017/2089		200	200	2				X	X	X	X	2	2	2	X	X				
12	419	2044		175	175	X						X			X	X						
13	420	2085		150	150	X				X	X	X	X	2	X	X	X	X				
14	421	2084/3055		125	125	2				X	X	X	X		X	X	X	X				
15	422	2027		100	100	X				X	X	X	X	2	2	2	X	X				
16	423	2068		75	75	X				X	X	X	X	2	X	X	X	X				
17	424			75	75			X														←
18	425	3057		50	49	X				X	X	X	X	2	X	X	X	X				
19	426	3142		35	35	X						X	X	2	X	X	X	X				
20	427	2083		25	25	X				X	X	X	X	2	X	X	X	X				
21	428			15	15	X						X	X	2	X	X	X	X				
22	429	2056		5	5	X				X	X	X	X	2	X	X	X	X				← did not close
23	430			5	5			X														fired but hung up
24					7																	

Ship: LSSL
Entered By: SZ/DS
Checked By:

Start Scan: 155055
Bottom Depth: 1972 ⁺⁹ m
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	1737	2037
Bottom	1805	2107
End	1838	2138

Start Position
Lat: 69 ° 40.533
Lon: 62 ° 44.781

Bottom Position
Lat: 69 ° 40.533
Lon: 62 ° 44.726

End Position
Lat: 69 ° 40.526
Lon: 62 ° 44.686

Comments: Phase not taken at this station - ignore samples 409, 411, 413, 416, 424, 430

Stopped on up cast for 100 @ ~~344~~ 344 m

Not taking Alk, Ba, O18 either.

5 July 2007

Niskin 21 and 2 did NOT close ...

Extn bottle

tripped but not sampled.

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

Water Properties Group

Rosette Log

Geochem & Phage
Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2007-19 Station: BB10 Event #: 102 Cast #: 27 CTD File: 200719-027 UTC Date (dd mmm yyyy): 14 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	NH4	Nut	Sal	Ba	Q18				
1	431	3028, 3018, -	3201	1000	1001	3				X	X				X	X						
2	432			1000	1001			X														EDNT
3	433			750	750	X				X	X				X	X						
4	434			750	750			X														
5	435			500	500	X				X	X				X	X						
6	436			500	500			X														
7	437			350	350	X				X	X				2	2						
8	438			250	250	X				X	X				X	X						
9	439			250	250			X														
10	440			225	225	2						X			X	X						
11	441			200	200	X				X	X				X	X						
12	442			125	125	X																
13	443			150	150	X				X	X				X	X						
14	444			125	125	X				X	X				X	X						
15	445			100	100	X				X	X				2	2						
16	446			75	75	X				X	X				X	X						
17	447			75	75			X														
18	448			50	50	X				X	X				X	X						
19	449			35	35	2				X	X				X	X						
20	450			25	25	X				X	X				2	2						
21	451	3028		15	15	X				X	X				X	X						
22	452			5	5	X				X	X				X	X						← Did not trip
23	453			5	5			X		X	X				X	X						← take from 24
24																						

Ship: LSSL
Entered By: *SM*
Checked By:

Start Scan:
Bottom Depth: 22.82 m
ISUS Cleaned: ☒ Y / ☐ N
Trans Cleaned: ☒ Y / ☐ N
Camera On: ☒ Y / ☐ N
In-Air Pressure: 6
Ice Coverage: / 10

Time	Local	UTC
Start	1006	1306
Bottom	1031	1331
End	1107	1407

Start Position
Lat: 71 ° 33.252
Lon: 65 ° 24.942

Bottom Position
Lat: 71 ° 33.331
Lon: 65 ° 24.560

End Position
Lat: 71 ° 33.559
Lon: 65 ° 24.286

Comments: