

Water Properties Group

Rosette Log

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

Cruise ID: 2007-19

Station: CAA9

Event #: _____

Cast #: 50

CTD File: 200719_050.dat

UTC Date (dd mmm yyyy): 22 July 2007

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	806			850	236	✓						X			X	X						
2	807			350	286	3						X			X	X						
3	808			300	286	X						X			X	X						
4	809			250	250	X				X	X	T	X		X	X	X	X				
5	810			225	225	X						T			X	X						
6	811			200	200	X				X	X	T	X		X	X	X	X				
7	812			175	175	2						T			2	2						
8	813			150	150	X				X	X	X	X		X	X	X	X				
9	814			125	125	T				X	X	X	X		X	X	X	X				
10	815			100	100	T				X	X	T	X		X	X	X	X				
11	816			75	75	T				X	X	X	X		X	X	X	X				
12	817			50	50	X				X	X	X	X		X	X	X	X				
13	818			35	50	2				X	X	T	X		2	2	X	X				
14	819			25	25	T				X	X	T	X		X	X	X	X				
15	820			15	15	T				X	X	T	X		X	X	X	X				
16	821			5	5	T				X	X	T	X		X	X	X	X				
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: LSSL
Entered By: SA
Checked By: _____

Start Scan:
Bottom Depth: 291 m
ISUS Cleaned: (Y/N)
Trans Cleaned: (Y/N)
Camera On: Y/N
In-Air Pressure: 0.3
Ice Coverage: 2 / 10

Time	Local	UTC
Start		2156
Bottom		2202
End		2222

Start Position
Lat: 71 ° 50.882
Lon: 95 ° 48.350

Bottom Position
Lat: 71 ° 50.833
Lon: 95 ° 48.358

End Position
Lat: 71 ° 50.875
Lon: 95 ° 48.354

Comments: _____

Cruise ID: 2007-19 Station: CARTO Event #: 0226 Cast #: 52 CTD File: - 52.dcf UTC Date (dd mmm yyyy): 23 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	19	20	21	
1	823			5-5	192	X				X	X	X			X	X						
2	824			175	175	3				X	X	X			X	X						
3	825			150	150	X				X	X	X	X		X	7	X	X	X			
4	826			150	150			X														←
5	827			125	125	X				X	X	X	X		X	X	X	X	X			
6	828			125	125			X														←
7	829			700	100	X				X	X	X	X		X	X	X	X	X			
8	830			75	75	2				X	X	X	7		2	2	X	X	X			
9	831			25	75			X														←
10	832			50	50	X				X	X	X	X		X	X	X	X	X			
11	833			50	50			X														←
12	834			35	35	X				X	X	X	X		X	X	X	X	X			
13	835			25	25	X				X	X	X	X		X	X	X	X	X			
14	836			25	25			X														←
15	837			15	15	X				X	X	X	X		X	X	X	X	X			
16	838			5	16	2				X	X	X	X		2	2	X	X	X			
17	839			5	17			X														←
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: LSSL

Entered By: SL

Checked By:

Start Scan:

Bottom Depth: 197 m

ISUS Cleaned: Y/N

Trans Cleaned: Y/N

Camera On: Y/N

In-Air Pressure: 0.2 / 0.2

Ice Coverage: 2 / 10

Time

Local

UTC

Start

1228

Bottom

1237

End

1250

Start Position

Lat: 70 ° 39.044

Lon: 98 ° 35.100

Bottom Position

Lat: 70 ° 35.046

Lon: 98 ° 35.121

End Position

Lat: 70 ° 39.044

Lon: 98 ° 35.148

Comments: _____

Water Properties Group

Rosette Log

For Diana Varela and Connie Lovejoy: Phyto/Micro

Cruise ID: 2007-19 Station: CAA 10 Event #: 225 227 Cast #: ~~53~~ 53 CTD File: -S3.dat UTC Date (dd mmm yyyy): 23 07 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Diana Varela <i>karl von 824 rod</i>												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	839			190		150													2	2			1	1	1	
2	840			150		120													2	2			1	1	1	
3	841			145		145													2	2	2		1	1	1	
4	842			145		145																				
5	843			50		50											✓									
6	844			50		50	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓									
7	845			39		35													2	2	2	2	2	1	1	1
8	846			39		35																				
9	847			37		35											✓									
10	848			37		35	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
11	849			35		35													2	2	2		1	1	1	
12	850			35		35																				
13	851			17		17											✓									
14	852			17		12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
15	853			7		7											✓									
16	854			7		2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
17	855			5		5											✓									
18	856			5		5	✓	✓	✓	✓	✓	✓		✓	✓	✓										
19	857			5		5											✓									
20	858			5		5	✓	✓	✓	✓	✓	✓		✓	✓	✓										
21	859			5		5													2	2	2	2	2	1	1	1
22	860			5		5																				
23																										
24																										

Ship: LSSL
Entered By: BL
Checked By:

Start Scan:
Bottom Depth: 193 m
ISUS Cleaned: ☒ N
Trans Cleaned: ☒ N
Camera On: ☒ Y
In-Air Pressure: 0.1
Ice Coverage: 2 / 10

Time	Local	UTC
Start		1338
Bottom		1346
End		1359

Start Position
Lat: 70 ° 39.050
Lon: 98 ° 35.297

Bottom Position
Lat: 70 ° 39.043
Lon: 98 ° 35.315

End Position
Lat: 70 ° 39.034
Lon: 98 ° 35.345

Comments: Karen 190x1, 150x1, 145x2, 39x2, 35x2, 5x2
Surface ID# PAR: 145 (5.46)

Water Properties Group

Up - Not stopping for bottles - Trip on Fly
Rosette Log
Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2007-19 Station: CAA11 Event #: 236 Cast #: 54 CTD File: 200719-054.dat UTC Date (dd mmm yyyy): 23 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	NH4	Nut	Sal	Ba	O18				
1	861	2088		bottom	137	✓				✓	✓	✓	✓		✓	✓	✓	✓				Alt = 5
2	862	3063/2092		100	101	3				✓	✓	✓	✓		2	2	✓	✓				
3	863	2074		75	75	✓				✓	✓	✓	✓		✓	✓	✓	✓				
4	864	3104		50	52	✓				✓	✓	✓	✓		✓	✓	✓	✓				
5	865	3033		35	35	✓						✓	✓		2	2	✓	✓				
6	866	2025		25	25	✓				✓	✓	✓	✓		✓	✓	✓	✓				
7	867	3003		15	15	✓						✓	✓		✓	✓	✓	✓				
8	868	3004		5	5	✓				✓	✓	✓	✓		✓	✓	✓	✓				
9																						
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: m
ISUS Cleaned: Y / N
Trans Cleaned: Y / N
Camera On: Y / N
In-Air Pressure: 0.3
Ice Coverage: 10 / 10

Time	Local	UTC
Start		2210
Bottom	X	X
End		

Start Position
Lat: 69 ° 53.700
Lon: 99 ° 31.575

Bottom Position
Lat: °
Lon: °

End Position
Lat: 69 ° 53.165
Lon: 99 ° 31.585

Comments: Up at 30 m/m. Trip on Fly.
Lots of algae? Melt pond look like "cess pools" => brown snow, brown water, ice algae blowing up through melt holes. Not seen on last cast & even though also in patch/fur ice

Water Properties Group

Rosette Log

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

Cruise ID: 2007-19 Station: CKA 12 Event #: 0239 Cast #: 55 CTD File: 55-det UTC Date (dd mmm yyyy): 24 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	870	3196		6.5	1	190	1				✓	✓	✓	✓	✓	✓	✓	✓												
2	871	3182		7.5	3		1				✓	✓	✓	✓	✓	✓	✓	✓	✓											
3	872			7.5	4																									
4	873	3151/3047/		50	6		3				✓	✓	✓	✓		✓	✓	✓	✓											
5	874			50	7																									
6	875	3012		35	14		1																							
7	876	3161/3028		25	15		2				✓	✓	✓	✓		✓	✓	✓	✓											
8	877			25	16																									
9	878	3096/3174		15	17		2																							
10	879	3160		5	18		1				✓	✓	✓	✓		✓	✓	✓	✓											
11	880			5	19																									
12	881			90	2																									
13	882			70	5																									
14	883			50	8																									
15	884			50	9																									
16	885			45	10																									
17	886			45	11																									
18	887			37	12																									
19	888			37	13																									
20	889			5	20																									
21	890			5	21																									
22																														
23																														
24																														

Ship: LSSL
Entered By: SR
Checked By:

Start Scan:
Bottom Depth: 107 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.3
Ice Coverage: 2 / 10

Time	Local	UTC
Start		1300
Bottom		1305
End		1318

Start Position
Lat: 68 ° 40.787
Lon: 103 ° 55.052

Bottom Position
Lat: 68 ° 40.755
Lon: 103 ° 55.062

End Position
Lat: 68 ° 40.650
Lon: 103 ° 55.072

Comments: _____

Rosette Log

For Diana Varela and Connie Lovejoy: Phyto/Micro

Cruise ID: 2007-19 Station: CAA12 Event #: 0230 Cast #: 55 CTD File: -55.dat UTC Date (dd mmm yyyy): 24 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																												
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12	881			90													2	2				1	1	1				
13	882			70													2	2				1	1	1				
14	883			50													2	2	2	2	2	1	1	1				
15	884			50																								
16	885			45													2	2	2			1	1	1				
17	886			45																								
18	887			37													2	2	2			1	1	1				
19	888			37																								
20	889			5													2	2	2	2	2	1	1	1				
21	890			5																								
22																												
23																												
24																												

Ship: LSSL

Entered By: *sn*

Checked By:

Start Scan:

Bottom Depth: 107 m

ISUS Cleaned: *Y/N*

Trans Cleaned: *Y/N*

Camera On: *Y/N*

In-Air Pressure: 0.3

Ice Coverage: 2 / 10

Time

Local

UTC

Start

1300

Bottom

1305

End

1318

Start Position

Lat: 68 ° 40.765

Lon: 103 ° 55.052

Bottom Position

Lat: 68 ° 40.755

Lon: 103 ° 55.062

End Position

Lat: 68 ° 40.690

Lon: 103 ° 55.092

Comments: _____

Water Properties Group

Rosette Log

For Diana Varela and Connie Lovejoy: Phyto/Micro

Cruise ID: 2007-19 Station: CAA12 Event #: 0239 Cast #: 56 CTD File: 56.dat UTC Date (dd mmm yyyy): 23 7 2

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	891			55	55																					
2	892			55	55	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									
3	893			46	46																					
4	894			46	46	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									
5	895			25	25																					
6	896			25	25	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓									
7	897			14	14																					
8	898			14	14	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓									
9	899			8	8																					
10	900			8	8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									
11	901			5	5																					
12	902			5	5	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓									
13																										
14																										
15																										
16																										
17																										
18																										
19																										
20																										
21																										
22																										
23																										
24																										

Ship: LSSL
Entered By: sn
Checked By:

Start Scan:
Bottom Depth: 103 m
ISUS Cleaned: Y/N
Trans Cleaned: Y/N
Camera On: Y/N
In-Air Pressure: 0.3/0.1
Ice Coverage: 2 / 10

Time	Local	UTC
Start		1412
Bottom		1425
End		1436

Start Position
Lat: 68 ° 40.418
Lon: 103 ° 55.028

Bottom Position
Lat: 68 ° 40.391
Lon: 103 ° 54.937

End Position
Lat: 68 ° 40.336
Lon: 103 ° 54.962

Comments:



Water Properties Group

Rosette Log

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

Cruise ID: 2007-19 Station: CAA13 Event #: Cast #: 58 CTD File: 200719_058.dat UTC Date (dd mmm yyyy): 24 July 2007

[illegible]

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:	0.3
Ice Coverage:	1 / 10

Time	Local	UTC
Start	1720	2020
Bottom	X	X
End	1735	2035

Start Position	
Lat:	68 ° 55.897
Lon:	105 ° 45.073

Bottom Position	
Lat:	X ° X
Lon:	X ° X

End Position
Lat: 68 ° 55.829
Lon: 105 ° 44.741

Comments: TRIP w/out stopping ascent rate (30m/m)

Water Properties Group

Rosette Log

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

Cruise ID: 2007-19 Station: CAA 14 Event #: _____ Cast #: 59 CTD File: 200719_059.ctd UTC Date (dd mmm yyyy): 25 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	911			Bottom	121					✓	✓	✓	✓		✓	✓	✓	✓				alt=5
2	912			100	100	2				✓	✓	✓	✓		2	✓	✓	✓				
3	913			75	77					✓	✓	✓	✓		✓	✓	✓	✓				
4	914			50	52					✓	✓	✓	✓		✓	✓	✓	✓				
5	915			35	37	3						✓	✓		2	2	✓	✓				
6	916			25	27					✓	✓	✓	✓		✓	✓	✓	✓				
7	917			15	16							✓	✓		✓	✓	✓	✓				
8	918			5	5					✓	✓	✓	✓		✓	✓	✓	✓				
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: LSSL
Entered By: SE
Checked By: _____

Start Scan: _____
Bottom Depth: 126 m
ISUS Cleaned: Y / N
Trans Cleaned: Y / N
Camera On: Y/N
In-Air Pressure: 0.2
Ice Coverage: 0 / 10

Time	Local	UTC
Start	<u>2145</u>	<u>0145</u>
Bottom	<u>X</u>	<u>X</u>
End	<u>2203</u>	<u>0203</u>

Start Position
Lat: 68 ° 42.415
Lon: 108 ° 29.711

Bottom Position
Lat: X
Lon: X

End Position
Lat: 68 ° 42.400
Lon: 108 ° 29.776

Comments: Up - stop for bottles as usual

Water Properties Group

Rosette Log

For Diana Varela and Connie Lovejoy: Phyto/Micro

Cruise ID: 2007-19 Station: CA116 Event #: 262 Cast #: 61 CTD File: 61-det UTC Date (dd mmm yyyy): 25 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	919			200	200														2	2			1	1	1	
2	920			150	150							✓	✓						2	2			1	1	1	
3	921			100	85														2	2	2		1	1	1	
4	922			100	85																					
5	923			57	57												✓									
6	924			57	57	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
7	925			40	40													2	2	2		1	1	1		
8	926			40	40																					
9	927			30	30												✓									
10	928			30	30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
11	929			16	16												✓									
12	930			16	16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
13	931			15	15													2	2	2	2	2	1	1	1	
14	932			15	15																					
15	933			10	10												✓									
16	934			10	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
17	935			5	5													2	2	2	2	2	1	1	1	
18	936			5	5																					
19	937			5	5												✓									
20	938			5	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
21	939			2	2												✓									
22	940			2	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
23																										
24																										

Ship: LSSL
Entered By: SW
Checked By:

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

Time	Local	UTC
Start		1313
Bottom		1322
End		1336

Start Position
Lat: 68 ° 22.995
Lon: 113 ° 6.901

Bottom Position
Lat: 68 ° 22.920
Lon: 113 ° 6.832

End Position
Lat: 68 ° 22.895
Lon: 113 ° 6.545

Comments: _____

Water Properties Group

Rosette Log

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

Cruise ID: 2007-19 Station: CAR 16 Event #: 263 Cast #: 62 CTD File: -62.dat UTC Date (dd mmm yyyy): 25 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	941			6-5	210	X									X	X								
2	942			200	200	X				X	X		X	2	X	X	X	X						
3	943			175	179	3							X		X	X	X	X						]strong current] depth keeps changing!
4	944			150	152					X	X		X	2	X	X	X	X						
5	945			125	125					X	X		X		X	X	X	X						
6	946			100	100					X	X		X	4	X	X	X	X						
7	947			75	75					X	X		X	2	X	X	X	X						
8	948			50	50					X	X		X		X	X	X	X						
9	949			35	35	2							X		2	2	X	X						
10	950			25	25					X	X		X		X	X	X	X						
11	951			15	15								X		X	X	X	X						
12	952			5	5					X	X		X	2	X	X	X	X						
13																								
14																								
15																								
16																								
17																								
18																								
19																								
20																								
21																								
22																								
23																								
24																								

Ship: LSSL
Entered By: SW
Checked By:

Start Scan:
Bottom Depth: 218 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		1435
Bottom		1444
End		1459

Start Position
Lat: 6° 0' 22.944
Lon: 113° 0' 7.144

Bottom Position
Lat: 6° 0' 22.955
Lon: 113° 0' 7.015

End Position
Lat: 6° 0' 22.746
Lon: 113° 0' 6.950

Comments: _____