

Water Properties Group

Sampling Log

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

33
gases
JF2
5
2018-01
Bot 2

Cruise ID: 2018-01 Station: P1 Event #: 13 Ship: Tully UTC Date (dd/mm/yyyy): 20 Feb 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed Pressure	Oxy	Nut-Fr	Sal	DIC	Chl	HPLC	gases	OPT			
1	1	1	Bot-10	✓ 125	x	x		x x							
2	2	2	30	✓ 30	x	x		x							
3	3	3	5	✓ 5	x x		x	x			x x	X			
4	4	4	5	✓ 5		x			x x	x x					
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): MB

Bottom Depth: 133 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1617	0817
Bottom	1615	
End	1626	

Positional Information

Lat: 48 ° 34 46 N

Lon: 125 ° 30 02 W

Lat: 48 ° 39 45 N

Lon: 125 ° 30 01 W

Lat: 48 ° 34 46 N

Lon: 125 ° 30 03 W

Extra comments:

Will also have loops for P1

Sal x1, OxyLab x2, and OxyT x2

Bot-10
2018-01
Bot 1

Water Properties Group

Sampling Log

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

Cruise ID: 2018-01 Station: P2 Event #: 14 Ship: Laurence Fully UTC Date (dd|mmm|yyyy): 20 FEB 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed Pressure	Oxy	Nut-F	Nut-C	Sal	DIC	DOC	Gels	Gases						
					MB	DC	DC	MR	MPHV	SB	DC	SB						
1	1	5	Bot-10	✓ 105	x	x			x	x	x							
2	2	6	100	✓ 100	xx	x			x	x	x							
3	3	7	75	✓ 75	x	x			xx	x	x							
4	4	8	75	✓ 75	x	x			x									
5	5	9	50	✓ 50	x	x			x	x	x							Did not Arc
6	6	10	25	✓ 25	x	xx			x	x	x							
7	7	11	10	✓ 10	x	x			x	x	x							
8	8	12	5	✓ 5	xx	x		x	x	x	x	xx						
9																		
10																		
11				*5:	TDP	LID	NOT	CLOSED	SAMPLED	BUT	PROBABLY	NOT	GOOD					
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
 Watchkeeper(s): MB

Bottom Depth: 116 m
 Transmissio Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1815	1019
Bottom	1821	
End	1829	

Positional Information

Lat:	48° 36 07 N
Lon:	126° 0 04 W

Start

▼

Lat:	48° 36 03 N
Lon:	126° 0 04 W

Bottom

▼

Lat:	48° 36 00 N
Lon:	126° 0 07 W

End

Extra comments:
 Deep cast
 Will also have loops for Gases,
 Oxy, Tr, Sal, Nut

Water Properties Group

Sampling Log

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

Cruise ID: 2018-01 Station: P2 Event #: 17 Ship: ~~Tully~~ ^{Laurier} UTC Date (dd/mmm/yyyy): 20/02/2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed Pressure	DMS	DMSP	DMSP	Nut-Fr	Chl	HPLC	UVic	Bugs	DA	OPT	Phyto		
					NR	MA	MA	KS			TV	TV					Master Station Dr. in middle of
1		13	100	✓								x					Sampling
2		14	100	✓		x	xx	xx	x	x		x					drill @ 21.05
3		15	75	✓	76	x			x	x		x					HPLC 10A+B
4		16	50	✓	950	x			x	x		x					11A+13 DAY 2
5		17	50	✓	50							x					Restart 21:31
6		18	40	✓	40	x			x	x							
7		19	30	✓	30	x			x	xx	xx						Fluo
8		20	25	✓	24.6	x			x	x	xx						Fluo
9		21	20	✓	20	xx	xx	xx	x	x	xx	x					Fluo
10		22	15	✓	15.5	x			xx	xx	xx						Fluo
11		23	10	✓	10	x			x	x	xx	x					Fluo
12		24	5	✓	5	x	x	x	x	x	xx	x		x		x	Fluo
13		25	5	✓	5							x					
14		26	0	✓	2.3	x	xx	xx	x	x							
15		27	Bet-10	✓	105									xx			
16		28	100	✓										xx			
17		29	50	✓	50									xx			
18		30	25	✓	24.3									xx			
19		31	10	✓	10									xx			
20		32	0	✓	2.3									xx			
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): K.S. MR

Bottom Depth: 115 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	20:08	12:08
Bottom	20:11	
End	20:31	12:31

Positional Information

Lat:	48 ° 35.987 N
Lon:	125 ° 59.998 W

▼

Lat:	48 ° 35.983 N
Lon:	125 ° 59.983 W

▼

Lat:	48 ° 36.010 N
Lon:	125 ° 59.971 W

Extra comments:
DMS cast - OUT-OF-ORDER
Phyto = lugol's only
15; 16; 1-5; 17; 8; 7; 8; 18; 9; 10;
11; 19; 12; 13; 14; 20

Water Properties Group

Sampling Log

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

Cruise ID: 2018-01 Station: P3 Event #: 18 Ship: Aurora Fully UTC Date (dd/mmm/yyyy): 20/02/2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target	Confirmed	Nut-F	Sal	Chl	HPLC	Gases	UBC	OPT							
			Pressure	✓ Pressure														
1		33	5	✓ 5.2	x	x	xx	xx	xx									
2		34	5	✓ 5.2							xx							
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): K.S.

Bottom Depth: 763 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	2240	14:40
Bottom	2254	14:54
End	2308	

Positional Information

Start	Lat: 48 ° 35.578 N
	Lon: 126 ° 20.084 W
Bottom	Lat: 48 ° 37.554 N
	Lon: 126 ° 20.17 W
End	Lat: 48 ° 37.606 N
	Lon: 126 ° 20.192 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID:

2018-01

Station:

P4

Event #:

19

Ship:

Laurier
Fully

UTC Date (dd/mmm/yyyy): 21/02/2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed Pressure	DMS	DMSP	DMSP	Nut-Fr	Chl	HPLC	DA	Phyto	OPT	UVic			
				✓	MR	MA	MA	KS	TV	KS	TV	TV	XX	TV			
1	2	35	300	✓	299	x			x								
2	3	36	250	✓	250				x					x			
3	4	37	200	✓	200	x	xx	xx	x								leaky
4	5	38	150	✓	150	x	xx	xx	x					x			
5	6	39	100	✓	100	x			xx	x							
6	8	40	75	✓	75	x			x	x							Fluo
7	9	41	60	✓	60				x	x	xx						Fluo
8	10	42	50	✓	50	x			x	x	xx			x			Fluo
9	12	43	40		40	x			x	x	xx						Fluo
10	13	44	30	✓	29	x	xx	xx	x	x	xx						
11	14	45	25	✓	25	x			x	xx							
12	16	46	20	✓	20	xx	xxxx	xxxx	x	x				x			Fluo
13	17	47	15	✓	15	x			x	xx	xx						
14	18	48	10	✓	10	x			x	x				x			Fluo
15	21	49	5	✓	5	x	xx	xx	x					x			
16	22	50	5	✓	5					x	xx	x	xxx				Fluo
17	23	51	0	✓	2.4	x	xx	xx	x	x							
18	1	52	300	✓	299.7								xx				
19	7	53	100	✓	100								xx				
20	11	54	50	✓	50								xx				
21	15	55	25	✓	25								xx				
22	19	56	10	✓	10								xx				
23	20	57	5	✓	5								xx				
24																	

Profile type:

☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): KS

Bottom Depth: 1310 m

Transmisso Cleaned: ☒ Y ☐ N

Time UTC Local

Start 0052 1652

Bottom 0058

End 0120

Positional Information

Lat: 48 ° 39.00 N

Lon: 126 ° 39.984 W

Lat: 48 ° 39.00 N

Lon: 126 ° 39.980 W

Lat: 48 ° 38.99 N

Lon: 126 ° 39.99 W

Extra comments:

DMS cast - OUT-OF-ORDER

Plus loops for Chl x2

18; 1-5; 19; 6-8; 20; 9-11

21; 12-14; 22; 23; 15-17

Water Properties Group

Sampling Log

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

Cruise ID: 2018-01 Station: P4 Event #: 20 Ship: Laurier UTC Date (dd/mm/yyyy): 21 FEB 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Nut-F	Nut-C	Sal	DIC	DOC	DOC-f	DNA	gases	SAGs	Gels	OPT	
1	2	58	Bot-10	✓ 1322	x	x	x		x	x		x	xx	x	x		
2	3	59	1250	✓ 1250	x	x	x	x	xx			x		x			
3	4	60	1250	✓ 1250	xx	x	x	xx	x	x					x		
4	5	61	1000	✓ 1000	x	x	x	xx	x	x		x	xx	x	x		
5	6	62	800	✓ 800	x	x	x	x	x	x		x		x	x		
6	7	63	600	✓ 600	x	xx	xx		x	x		x	xx	x	x		
7	8	64	400	✓ 400	x	x	x		x	x		x		x	x		
8	9	65	300	✓ 299	x	x			x	x		x		x	x		
9	10	66	250	✓ 250	x	x			x		x		xx		x		
10	11	67	200	✓ 200	x	x			x		x	x	xx	x	x		
11	12	68	175	✓ 175	xx	x			x		x				x		
12	13	69	150	✓ 149	x	x			x		x	x	xx	x	x		
13	14	70	125	✓ 125	x	xx			x		x				x		
14	15	71	100	✓ 100	x	x			x		x	x	xx	x	x		
15	16	72	75	✓ 75	x	x			x		x				x		
16	17	73	50	✓ 50	x	x			x		x	x		x	x		
17	18	74	25	✓ 25	x	x			x		x	x	xx	x	x		
18	19	75	10	✓ 10	x	x			x		x	x		x	x		
19	20	76	5	✓ 4	xx	x		x	x		x		xx		x		
20	1	77	Bot-10	✓ 1320													
21															xx		
22																	
23																	
24																	

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): MR1

Bottom Depth: ~1315 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0221	1821
Bottom	0243	
End	0326	

Positional Information
Lat: 48° 38.98 N
Lon: 126° 39.98 W

Lat: 48° 38.97 N
Lon: 126° 39.97 W

Lat: 48° 38.97 N
Lon: 126° 39.94 W

Extra comments:
Deep cast
Plus loops 1x Sal, 1x Nut
OUT-OF-ORDER!!! NISKIN 20 FIRST!

Water Properties Group

Sampling Log

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

Cruise ID:

2018-01

Station:

P4

Event #:

24

Ship:

LAURIE
Tully

UTC Date (dd/mm/yyyy):

21 / 02 / 2018

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓	Pressure		UBC											
							3AD6											
1	1	78	Bot-10	✓	1318		x											
2	2	79	Bot-10	✓														
3	3	80	Bot-10	✓														
4	4	81	Bot-10	✓														
5	5	82	1000	✓	1000		x											
6	6	83	1000	✓														
7	7	84	1000	✓														
8	8	85	1000	✓														
9	9	86	500	✓	500		x											
10	10	87	500	✓	500													
11	11	88	500	✓	500													
12	12	89	500	✓	500													
13	13	90	10	✓	10		x											
14	14	91	10	✓	10													
15	15	92	10	✓	10													
16	16	93	10	✓	10													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
 ROS TRM X-Niskin other?
 Watchkeeper(s): K.S

Bottom Depth: 1300 m
 Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0733	2333
Bottom	0756	
End	0825	

Positional Information

Lat: 48	° 39.040	N
Lon: 126	° 40.018	W

Start

▼

Lat: 48	° 38.95	N
Lon: 126	° 40.20	W

Bottom

▼

Lat: 48	° 39.02	N
Lon: 126	° 40.46	W

End

Extra comments:
 UBC cast

Water Properties Group

Sampling Log

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

Cruise ID: 2018-01 Station: P5 Event #: 25 Ship: ^{LASER} Tully UTC Date (dd mmm/yyyy): 21 Feb 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed ✓ Pressure	Nut-F	Sal	Chl	HPLC	Gases		OPT							
										UBC								
1	1	94	5	✓	5	x	x	xx	xx	xx								
2	2	95	5	✓	5							xx						
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): MB

Bottom Depth: 250 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1043	0243
Bottom	1119	
End	1154	

Positional Information

Start	Lat: 48 ° 41 67 N
	Lon: 127 ° 10 07 W
Bottom	Lat: 48 ° 41 68 N
	Lon: 127 ° 10 31 W
End	Lat: 48 ° 41 68 N
	Lon: 127 ° 10 50 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-01 Station: P6 Event #: 26 Ship: ^{LAURIE}~~Tully~~ UTC Date (dd|mmm|yyyy): 21 | FEB | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target	Confirmed	Nut-F	Sal	Chl	HPLC	Gases	UBC	OPT							
			Pressure	✓ Pressure														
1	1	96	5	✓ 4.5	x	x	xx	xx	xx									
2	2	97	5	✓ 4.5							xx							
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): MS

Bottom Depth: 2523 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1420	0620
Bottom	1453	
End	1532	

Positional Information

Lat:	48 ° 44 67	N
Lon:	127 ° 39.90	W

▼

Lat:	48 ° 44 77	N
Lon:	127 ° 39 88	W

▼

Lat:	48 ° 44 77	N
Lon:	127 ° 39 76	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-01 Station: P7 Event #: 27 Ship: LARION Tully UTC Date (dd|mmm|yyyy): 21 Feb 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ☒ Pressure	Nut-F	Sal	Chl	HPLC			OPT				
1	1	98	5	✓ 4.8	x	x	xx	xx							
2	2	99	5	✓ 4.8						xx					
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): MS

Bottom Depth: 2483 m
Transmisso Cleaned: Y N

Time	UTC	Local
Start	17:58	09:58
Bottom	1832	
End	1909	

Positional Information

Lat:	48° 46' 58"	N
Lon:	128° 9' 99"	W

▼

Lat:	48° 46' 59"	N
Lon:	128° 9' 97"	W

▼

Lat:	48° 46' 58"	N
Lon:	128° 10' 02"	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-01 Station: P8

Event #: 28

Ship: LAUREL Tully

UTC Date (dd/mm/yyyy): 21/02/2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure					DOC-f	gels	OPT				
1		100	300	✓ 299.6							xx				
2		101	250	✓ 250					x	x					
3		102	200	✓ 202					x	x					
4		103	175	✓ 177					x	x					
5		104	150	✓ 151					x	x					
6		105	125	✓ 126					x	x					
7		106	100	✓ 101.7					x	x	xx				
8		107	75	✓ 76.5					x	x					
9		108	50	✓ 51.5					x	x	xx				
10		109	25	✓ 25.9					x	x	xx				
11		110	10	✓ 11.3					x	x	xx				
12		111	5	✓ 6.5					x	x	xx				
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): KS

Bottom Depth: 2497 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2137	1337
Bottom	2143	
End	2202	14:02

Positional Information

Start	Lat: 48 ° 48.991 N
	Lon: 128 ° 39.850 W

Bottom

Lat: 48 ° 48.984 N
Lon: 128 ° 39.857 W

End

Lat: 48 ° 49.000 N
Lon: 128 ° 39.799 W

Extra comments:
OPTICS cast for Eric
Gels and filtered DOC

Water Properties Group

Sampling Log

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

Cruise ID: 2018-01 Station: P8 Event #: 32 Ship: Laurier UTC Date (dd|mmm|yyyy): 22 | 02 | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials											Comments		
			Target Pressure	Confirmed Pressure	Oxy	Sal	Nut Fr	Nut C	Chl	HPLC	DOC	Gels	UBC	UVic	DA		Phyto	
				✓														
1		112	2000	✓	2000	x	xx	x	x			x	x	xx				
2		113	1500	✓	1501	x	x	x	x			x	x					
3		114	1250	✓	1250	x	x	xx	xx			x	x					
4		115	1000	✓	1002	x	xx	x	x			x	x	xx				
5		116	800	✓	800	x	x	x	x			x	x					
6		117	600	✓	596	xx		x	x			x	x	xx				
7		118	400	✓	399	x		x	x			x	x					
8		119	300	✓	300	x		x				x	x					
9		120	250	✓	250	x		x						xx	x			
10		121	200	✓	200	x		x						xx				
11		122	175	✓	177	x		x										
12		123	150	✓	151	x		xx						xx	x			
13		124	100	✓	101	xx		x		x				xx				
14		125	75	✓	76	x		x		x								
15		126	60	✓	61	x		x		xx	xx							
16		127	50	✓	51	x		x		x	xx				x			
17		128	40	✓	41	x		x		x	xx							
18		129	30	✓	31	x		x		x	xx							
19		130	25	✓	25.7	x		x		xx				xx				
20		131	20	✓	21	xx		x		x					x			
21		132	15	✓	16	x		x		x	xx							
22		133	10	✓	12	x		x		x					x			
23		134	5	✓	6	x	x	x						xx	x			
24		135	5	✓	6			x		x	xx					x	x	

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): K.S.

Bottom Depth:	2500	m
Transmisso Cleaned:	☒ Y / ☐ N	

Time	UTC	Local
Start	0058	1658
Bottom	0132	
End	02:36	

Positional Information	
Start	Lat: 48 ° 48 914 N
	Lon: 128 ° 40 052 W

Bottom	Lat: 48 ° 48.91 N
	Lon: 128 ° 40.09 W

End	Lat: 48 ° 48.778 N
	Lon: 128 ° 39.644 W

Extra comments:
Phyto = Lugol's only
Loops for 1x Sal, 1x Nut, 2x chl

Water Properties Group

Sampling Log

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

Cruise ID:

2018-01

Station:

P12

Event #:

36

Ship:

Laurier

UTC Date (dd|mm|yyyy): 22 FEB 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed Pressure	DMS	DMSD	DMSF	Nut-Fr	Chl	HPLC	DA	Phyto	OPT	UVic	
1	2	160	300	✓ 300	x			x							
2	3	161	250	✓ 250				x						x	
3	4	162	200	✓ 200	x	xx	xx	x							
4	5	163	150	✓ 151	x	xx	xx	x						x	
5	6	164	100	✓ 100	x			xx	x						
6	8	165	75	✓ 75	x			x	x						Fluo
7	9	166	60	✓ 60				x	x	xx					Fluo
8	10	167	50	✓ 50	x			x	x	xx				x	Fluo
9	12	168	40	✓ 40	x			x	xx	xx					Fluo
10	13	169	30	✓ 30	x	xx	xx	x	x	xx					
11	14	170	25	✓ 25	x			x	x						
12	16	171	20	✓ 21	xx	xxxx	xxxx	x	x					x	Fluo
13	17	172	15	✓ 15	x			x	x	xx					
14	18	173	10	✓ 10	x			x	xx					x	Fluo TOP CAP NOT SEATED.
15	20	174	5	✓ 5	x	xx	xx	x						x	
16	21	175	5	✓ 5					x	xx					Fluo
17	23	176	0	✓ 23	x	xx	xx	x	x						
18	1	177	300	✓ 300									xx		
19	7	178	100	✓ 100									xx		
20	11	179	50	✓ 50									xx		
21	15	180	25	✓ 25									xx		
22	19	181	10	✓ 10									xx		
23	22	182	5	✓ 5									xx		
24															

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): MB

Bottom Depth: 3233 m
Transmisso Cleaned: Y/N

Time	UTC	Local
Start	1840	1040
Bottom	1845	
End	1904	

Positional Information

Lat:	48° 58 07 N
Lon:	130° 39 94 W

Start

Lat:	48° 58 08 N
Lon:	130° 39 94 W

Bottom

Lat:	48° 58 07 N
Lon:	130° 39 99 W

End

Extra comments:

DMS cast - OUT-OF-ORDER

Plus loops for Chl x2

18; 1-5; 19; 6-8; 20; 9-11
15, 16, 23, 17
21; 12-14; 22; 23; 15-17

Water Properties Group

Sampling Log

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

Cruise ID: 2018-01

Station: P12

Event #: 37

Ship: Laurier

UTC Date (dd|mmm|yyyy): 22|02|2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	DIC	DOC	Gels	SAGs	DNA	Gases	OPT			
				✓														
1	2	136	Bot-10	✓	3275	x		x	x	x		x	x	xx				
2	3	137	3000	✓	3002	x	xx	x	x	xx								
3	4	138	3000	✓	3001	x	x	x	x	x		x	x	xx				
4	5	139	2500	✓	2500	xx	xx	x	x	x		x	x					
5	6	140	2000	✓	2000	x	x	x	x	x		x	x	xx				
6	7	141	1500	✓	1500	x	xx	x	x	x		x	x					
7	8	142	1250	✓	1250	x	x	x	x	x		x	x					
8	9	143	1000	✓	1000	x	xx	x	x	x		x	x	xx				
9	10	144	800	✓	800	xx		xx	xx	x		x	x					
10	11	145	600	✓	599	x		x	x	x		x	x	xx				
11	12	146	400	✓	399	x		x	x	x		x	x					
12	13	147	300	✓	302	x		x	x	x		x	x					
13	14	148	250	✓	250	xx		x		x		x	x	xx				
14	15	149	200	✓	200	x		x		x		x	x	xx				
15	16	150	175	✓	175	x		x		x		x	x					
16	17	151	150	✓	150	x		x		x		x	x	xx				
17	18	152	125	✓	125	x		x		x		x	x					
18	19	153	100	✓	99	x		x		x		x	x	xx				
19	20	154	75	✓	75	xx		xx		x		x	x					
20	21	155	50	✓	50	x		x		x		x	x					
21	22	156	25	✓	25.5	x		x		x		x	x	xx				
22	23	157	10	✓	9	x		x		x		x	x					
23	24	158	5	✓	4.5	x	x	x		x		x	x	xx				
24	1	159	Bot-10	✓	3273										xx			

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): K.S.

Bottom Depth: 3200 m

Transmissio Cleaned: Y / N

Time	UTC	Local
Start	2003	12 03
Bottom	2054	
End	2205	

Positional Information

Lat:	48 ° 58.175	N
Lon:	130 ° 39.911	W

Start

▼

Lat:	48 ° 58.17	N
Lon:	130 ° 40.05	W

Bottom

▼

Lat:	48 ° 58.076	N
Lon:	130 ° 39.926	W

End

Extra comments:
Deep cast - OUT-OF-ORDER!
Start with Niskin 24!!!
Plus loops 1x Sal, 1x Nut

Water Properties Group

Sampling Log

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

Cruise ID: 2018-01 Station: P12 Event #: 40 Ship: Laurier UTC Date (dd|mmm|yyyy): 23 | FEB | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure		UBC									
1		183	2000	✓ 2000		x									
2		184	2000	✓ 2000											
3		185	2000	✓ 2000											
4		186	2000	✓ 2000											
5		187	1000	✓ 1000		x									
6		188	1000	✓ 1000											
7		189	1000	✓ 1000											
8		190	1000	✓ 1000											
9		191	500	✓ 500		x									
10		192	500	✓ 500											
11		193	500	✓ 500											
12		194	500	✓ 500											
13		195	10	✓ 9.5		x									
14		196	10	✓ 9.5											
15		197	10	✓ 9.5											
16		198	10	✓ 9.5											
17															
18															
19															
20															
21															
22															
23															
24															

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): MR / KCS

Bottom Depth: 3233 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	01:03	17:03
Bottom	01:36	17:36
End	02:14	18:14

Positional Information
Start
Lat: 48 ° 58.121 N
Lon: 130 ° 40.001 W

Bottom
Lat: 48 ° 58.123 N
Lon: 130 ° 39.949 W

End
Lat: 48 ° 58.110 N
Lon: 130 ° 39.906 W

Extra comments:
UBC cast

Water Properties Group

Sampling Log

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

Cruise ID: 2018-01 Station: P13 Event #: 41 Ship: Laurier UTC Date (dd/mm/yyyy): 23/02/2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed Pressure	Nut-F	Sal	Chl	HPLC							
1		199	5		x	x	xx	xx							Cancelled b/c winch issue
2		200	5							xx					
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): K.S.

Bottom Depth: _____ m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0639	22:39
Bottom		
End		

Positional Information

Start Lat: 49 ° 02.603 N
Lon: 131 ° 39.918 W

Bottom Lat: ° N
Lon: ° W

End Lat: ° N
Lon: ° W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-01 Station: P13 Event #: 42 Ship: Laurier UTC Date (dd|mmm|yyyy): 23 | 02 | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments	
			Target Pressure	Confirmed ✓ Pressure	Nut-F	Sal	Chl	HPLC				OPT				
1	1	199	5	✓ 5	x	x	xx	xx								
2	2	200	5	✓ 5								xx				
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
ROS ☒ TRM ☐ X-Niskin ☐ other? ☐

Watchkeeper(s): K.S

Bottom Depth: 3030 m

Transmisso Cleaned: Y / ☒ N

Time	UTC	Local
Start	0759	1159
Bottom	0834	
End	0907	

Positional Information

Start

Lat: 49 ° 2 600 N

Lon: 131 ° 39 976 W

▼

Bottom

Lat: 49 ° 2 686 N

Lon: 131 ° 39 888 W

▼

End

Lat: 49 ° 2 687 N

Lon: 131 ° 39 823 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID:

2018-01

Station:

P14

Event #:

43

Ship:

Laurier

UTC Date (dd:mmm/yyyy):

23 FEB 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials					Gases	OPT						Comments
			Target Pressure	Confirmed Pressure	CHL	HPLC	Nut	Sal	DOC								
1	1	201	Bot-10	✓ 3360				x	x								
2	2	202	3000	✓ 3000				x	x								
3	3	203	2500	✓ 2500				x	x								
4	4	204	2250	✓ 2250				x	x								
5	5	205	2000	✓ 2000				x	x								
6	6	206	1750	✓ 1750				x	x								
7	7	207	1500	✓ 1500				x	x								
8	8	208	1250	✓ 1250				x	x								
9	9	209	1000	✓ 1000				x	x								
10	10	210	800	✓ 800				x	x								
11	11	211	600	✓ 600				x	x								
12	12	212	400	✓ 400				x	x								
13	13	213	300	✓ 300				x	x								
14	14	214	250	✓ 250				x	x								
15	15	215	200	✓ 199				x	x								
16	16	216	175	✓ 176				x	x								
17	17	217	150	✓ 150				x	x								
18	18	218	125	✓ 125				x	x								
19	19	219	100	✓ 100				x	x								
20	20	220	75	✓ 74				x	x								
21	21	221	50	✓ 50				x	x								
22	22	222	25	✓ 25				x	x								
23	23	223	5	✓ 5				x	x		xx (Bot 23+24)						TOOK SAL FROM 24
24	24	224	5	✓ 5	xx	xx	x			xx							TOP NOT SEATED

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
 Watchkeeper(s): MR

Bottom Depth: 3315 m
 Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	14:11	06:11
Bottom	15:15	
End	16:40	

Positional Information

Lat:	49 ° 7 310	N
Lon:	132 ° 39 898	W

Bottom

Lat:	49 ° 7 390	N
Lon:	132 ° 39 430	W

End

Lat:	49 ° 7 226	N
Lon:	132 ° 38 962	W

Extra comments:
 DOC and SAL cast

TOOK SAL FROM 24
 TOP NOT SEATED

Water Properties Group

Sampling Log

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

Cruise ID: 2018-01 Station: P15 Event #: 44 Ship: Laurier UTC Date (dd|mmm|yyyy): 23 | 02 | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ☒ Pressure	Nut-F	Sal	Chl	HPLC			OPT				
1		225	5	✓ 5	x	x	xx	xx							
2		226	5	✓ 5							xx				
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
ROS ☒ TRM ☐ X-Niskin ☐ other? ☐
Watchkeeper(s): K.S

Bottom Depth: 3415 m
Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	2106	1306
Bottom	2143	
End	2220	14

Positional Information

Lat:	49 ° 11 926	N
Lon:	133 ° 39 6146	W

Start

Lat:	49 ° 12 00	N
Lon:	133 ° 39 22	W

Bottom

Lat:	49 ° 12 031	N
Lon:	133 ° 38 782	W

End

Extra comments: