

Water Properties Group

Sampling Log

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

Cruise ID:

2018-26

Station:

P16

Event #:

49

Ship:

Tully

UTC Date (dd|mmm|yyyy): 10 | 6 | 18

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	d MA	ALL	ALL	ALL				TV		
1		315	300	✓	x			x								
2		316	250	✓				x						x		
3		317	200	✓	x	x	x	x								
4		318	150	✓	x	x	x	x						x		
5		319	100	✓	x			x	x							
6		320	75	✓	x			x	x							Fluo
7		321	60	✓				x	x	xx						Fluo
8		322	50	✓	x			x	x	xx				x		Fluo
9		323	40	✓	x			x	x	xx						Fluo
10		324	30	✓	x	x	x	x	x	xx						
11		325	25	✓	x			xx	xx							
12		326	20	✓	xx	xx	xx	x	x					x		Fluo
13		327	15	✓	x			x	x	xx						
14		328	10	✓	x			x	x					x		Fluo
15		329	5	✓	x	x	x	x						x		
16		330	5	✓					x	xx						Fluo
17		331	0		x	x	x	x	xx							
18																
19																
20																
21																
22																
23																
24																

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): H.M.

Bottom Depth:	3639 m
Transmisso Cleaned:	(Y) / N

Time	UTC	Local
Start	1743	1045
Bottom	1740	
End	1807	

Positional Information
Lat: 49 ° 16 98 N
Lon: 134 ° 39 94 W

Start

Lat: 49 ° 16 98 N
Lon: 134 ° 39 95 W

Bottom

Lat: 49 ° 16 98 N
Lon: 134 ° 39 38 W

End

Extra comments:
DMS cast
Plus loops for Chl x2

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P16 Event #: 52 Ship: Tully UTC Date (dd|mmm|yyyy): 10 JUN 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments		
			Target Pressure	Confirmed ✓ Pressure	OXY	Sal	Nut-F	Nut-C	DIC	TOC	DOC	Gels	Gases	SAGs	DNA				
					MP/MG	RW	JS	JS		CL	CL	CL	TV	JS	ALL				
1		332	Bot-10	✓	3685	x		x	x		x	x	x		x	x			FLOOR PINK ~ 40M
2		333	3500	✓	3500	x	xx	x	x										
3		334	3500	✓	3500	xx	x	x	x		x	x	x						
4		335	3000	✓	3000	x	xx	x	x		x	x	x		x	x			
5		336	2500	✓	2500	x	x	xx	xx		x	x	x						
6		337	2000	✓	2000	x	xx	x	x		x	x	x		x	x			
7		338	1500	✓	1500	x	x	x	x		x	x	x		x	x			
8		339	1250	✓	1250	x	xx	x	x		x	x	x		x	x			
9		340	1000	✓	1000	x	xx	x	x		x	x	x		x	x			
10		341	800	✓	800	xx		x	x		x	x	x		x	x			
11		342	600	✓	600	x		x	x		x	x	x		x	x			
12		343	400	✓	400	x		x	x		x	x	x		x	x			
13		344	300	✓	299	x		x			x	x	x		x	x			
14		345	250	✓	250	x		x			x	x	x						
15		346	200	✓	200	x		x			x	x	x		x	x			
16		347	175	✓	174	xx		x			x	x	x						
17		348	150	✓	150	x		x			x	x	x		x	x			
18		349	125	✓	125	x		x			x	x	x						
19		350	100	✓	99	x		x			x	x	x		x	x			
20		351	75	✓	75	x		xx			x	x	x						
21		352	50	✓	50	xx		x			x	x	x		x	x			
22		353	25	✓	25	x		x			x	x	x		x	x			
23		354	10	✓	9.9	x		x			x	x	x		x	x			
24		355	5	✓	5	x	x	x			x	x	x	xx					

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): MR/MGBottom Depth: 3635 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1905	1205
Bottom	2007	1307
End	2126	

Positional Information
Start
Lat: 49° 16.97 N
Lon: 134° 40.14 WBottom
Lat: 49° 17.02 N
Lon: 134° 40.12 WEnd
Lat: 49° 17.07 N
Lon: 134° 40.10 WExtra comments:
Deep cast
Will also have loops for Sal x1,
Nut x1

Water Properties Group

Sampling Log

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

Cruise ID:

2018-26

Station:

P16

Event #:

54

Ship:

Tully

UTC Date (dd|mmm|yyyy): 11 JUN 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed Pressure			Cs								
1		356	150	✓	150			x							Fluor peak @ 25
2		357	150	✓				x							
3		358	150	✓				x							
4		359	150	✓				x							
5		360	150	✓				x							
6		361	150	✓				x							
7		362	100	✓	100			x							
8		363	100	✓				x							
9		364	100	✓				x							
10		365	100	✓				x							
11		366	100	✓				x							
12		367	100	✓				x							
13		368	50	✓	50			x							
14		369	50	✓				x							
15		370	50	✓				x							
16		371	50	✓				x							
17		372	50	✓				x							
18		373	50	✓				x							
19		374	5	✓	5			x							
20		375	5	✓				x							
21		376	5	✓				x							
22		377	5	✓				x							
23		378	5	✓				x							
24		379	5	✓				x							

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

MA

Bottom Depth: 3633 m

Transmisso Cleaned: (Y) / N

Time UTC Local

Start 0057 1757

Bottom 0100

End 0107

Positional Information

Lat: 49 ° 17.02 N

Lon: 134 ° 40.09 W

Lat: 49 ° 17.02 N

Lon: 134 ° 40.09 W

Lat: 49 ° 17.04 N

Lon: 134 ° 40.10 W

Extra comments:

Cesium 150m cast

Water Properties Group

Sampling Log

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

Cruise ID:

2018-26

Station:

P16

Event #:

55

Ship:

Tully

UTC Date (dd|mmm|yyyy): 11 | 06 | 18

Comments

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): MG

Bottom Depth: 3633 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0128	1728
Bottom	0137	
End	0150	

Positional Information

Lat: 49 ° 17.05 N

Lon: 134 ° 40.12 W

Lat: 49 ° 17.06 N

Lon: 134 ° 40.08 W

Lat: 49 ° 17.06 N

Lon: 134 ° 40.09 W

Extra comments:

Cesium 500m cast

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

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P17 Event #: 56 Ship: Tully UTC Date (dd|mmm|yyyy): 11 | 06 | 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments	
			Target Pressure	Confirmed ☒ Pressure	Nut-F	Sal	chl	HPLC	Gases	UBC						
1		404	5		x	x	xx	xx	xx							FLUOR PEAK @ 40m
2																
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): MG

Bottom Depth: 3644 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0533	2233
Bottom	0606	
End	0637	

Positional Information
Start
Lat: 49 ° 21.05 N
Lon: 135 ° 39.96 W

Bottom
Lat: 49 ° 21.02 N
Lon: 135 ° 39.80 W

End
Lat: 49 ° 20 97 N
Lon: 135 ° 39 70 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26

Station: P18

Event #: 58

Ship: Tully

UTC Date (dd|mmm|yyyy): 2018 06 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	CHL	HPLC	Nut	Sal	DOC	Gels	Gases	TOC			
1	1	405	Bot-10	✓	3891				x	x		x			
2	2	406	3500	✓				x	x	x		x			
3	3	407	3000	✓				xx	x	x		x			
4	4	408	2500	✓				x	x	x		x			
5	5	409	2000	✓				x	x	x		x			
6	6	410	1750	✓					x			x			
7	7	411	1500	✓					x	x		x			
8	8	412	1250	✓					x			x			
9	9	413	1000	✓					x	x		x			
10	10	414	800	✓					x	x		x			
11	11	415	600	✓					x	x		x			
12	12	416	400	✓					x	x		x			
13	13	417	300	✓					x	x		x			
14	14	418	250	✓					x	x		x			
15	15	419	200	✓					x			x			
16	16	420	175	✓					x	x		x			
17	17	421	150	✓					x			x			
18	18	422	125	✓					x	x		x			
19	19	423	100	✓					x	x		x			
20	20	424	75	✓					x	x		x			
21	21	425	50	✓					x	x		x			
22	22	426	25	✓					x	x		x			
23	23	427	10	✓					x	x		x			
24	24	428	5	✓		xx	xx	x	x	x	xx	x			

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

Bottom Depth: 3834 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1003	0303
Bottom	1111	
End	1235	

Positional Information

Lat:	49 ° 26 03 N
Lon:	136 ° 40 06 W

Start

Bottom

End

Lat: 49 ° 26 03 N
Lon: 136 ° 39 94 W

Lat: 49 ° 26 10 N
Lon: 136 ° 40 00 W

Extra comments:
DOC & Gels cast

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P19 Event #: 60 Ship: Tully UTC Date (dd/mm/yyyy): 10/06/18

			Rosette Operation			Samples Taken / Sampler's Initials										Comments		
Niskin #	Firing #	Sample #	Target Pressure	Confirmed		Nut-F	Sal	Chl	HPLC	Gases								
				√	Pressure						UBC							
1		429	5			x	x	xx	xx	xx								
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

http://www.pac.dfo

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

Bottom Depth: 3905 392.6 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1611	0911
Bottom	1645	
End	1718	

Positional Information
Start
Lat: 49 ° 30 04 N
Lon: 137 ° 40 18 W

Bottom
Lat: 49 ° 29 99 N
Lon: 137 ° 40 22 W

End
Lat: 49 ° 29 96 N
Lon: 137 ° 40 13 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID:

2018-26

Station:

P20

Event #:

61

Ship:

Tully

UTC Date (dd|mmm|yyyy):

11 | 06 | 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments	
			Target Pressure	Confirmed	DMS	DMSP	DMSP	Nut-Fr	Chl	HPLC	DA	Phyto	OPT	UVic		
			Pressure	✓ Pressure	t	d										
1		430	300	✓ 300	x			x								Stop 218 ~ 20 sec For WIRE L ^o
2		431	250	✓ 250				x						x		
3		432	200	✓ 199	x	x	x	x								
4		433	150	✓ 149	x	x	x	x						x		
5		434	100	✓ 100	x			x	x							0.40
6		435	75	✓ 75	x			x	x							Fluo 0.18
7		436	60	✓ 60				x	x	xx						Fluo 0.38
8		437	50	✓ 50	x			x	x	xx				x		Fluo 0.9
9		438	40	✓ 40	x			x	x	xx						Fluo 2.65
10		439	30	✓ 30	x	x	x	x	x	xx						3.21
11		440	25	✓ 25	x			xx	xx							3.16
12		441	20	✓ 20	xx	xx	xx	x	x					x		Fluo 3.54
13		442	15	✓ 15	x			x	x	xx						2.34
14		443	10	✓ 10	x			x	x					x		Fluo 2.21
15		444	5	✓ 5	x	x	x	x						x		1.38
16		445	5	✓ 5					x	xx						Fluo "
17		446	0	✓ 1.9	x	x	x	x	xx							
18																
19																
20																
21																
22																
23																
24																

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

MG

Bottom Depth: 3965 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2109	1409
Bottom	2117	
End	2137	

Positional Information

Lat:	49 ° 34.02	N
Lon:	138 ° 40.24	W

Lat:	49 ° 34.11	N
Lon:	138 ° 40.17	W

Lat:	49 ° 34.07	N
Lon:	138 ° 40.26	W

Extra comments:

DMS cast

Plus loops for Chl x2

Water Properties Group

Sampling Log

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

Cruise ID:

2018-26

Station:

P20

Event #:

62

Ship:

Tully

UTC Date (dd|mmm|yyyy): 11 | JUN | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials														Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	DIC	TOC	DOC	Gels	Gases	SAGs	DNA				
					MR/MG/PG/HR/KW	JS	JS	AKV	CL	CL	CL	JS	JS	ALL					
1		447	Bot-10	✓	4025	x		x	x	x	x	x		x	x				
2		448	3500	✓	3501	x	xx	x	x	xx									
3		449	3500	✓	3500	xx	x	x	x	x	x	x							
4		450	3000	✓	3000	x	xx	x	x	x	x	x		x	x				
5		451	2500	✓	2500	x	x	x	x	x	x	x							
6		452	2000	✓	2000	x	xx	x	x	x	x	x		x	x				
7		453	1500	✓	1500	x	x	xx	xx	x	x	x		x	x				
8		454	1250	✓	1251	xx	xx	x	x	x	x	x		x	x				
9		455	1000	✓	1000	x	xx	x	x	x	x	x		x	x				
10		456	800	✓	800	x		x	x	x	x	x		x	x				
11		457	600	✓	600	x		x	x	x	x	x		x	x				
12		458	400	✓	400	x		x	x	x	x	x		x	x				
13		459	300	✓	300	x		x		x	x	x		x	x				
14		460	250	✓	251	xx		x		x	x	x							
15		461	200	✓	200	x		x		x	x	x		x	x				
16		462	175	✓	176	x		x		x	x	x							
17		463	150	✓	150	x		xx		x	x	x		x	x				
18		464	125	✓	125	x		x		x	x	x							
19		465	100	✓	100	xx		x		x	x	x		x	x				
20		466	75	✓	75	x		x		x	x	x							
21		467	50	✓	50	x		x		x	x	x		x	x				
22		468	25	✓	25	x		x		x	x	x		x	x				
23		469	10	✓	10	x		x		x	x	x		x	x				
24		470	5	✓	5	x	x	x		x	x	x	xx						

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

Bottom Depth:	3965	m
Transmisso Cleaned:	Y	N

Time	UTC	Local
Start	2215	1515
Bottom	2328	
End	0054	

Positional Information
Lat: 49° 34.03 N
Lon: 138° 40.05 W

Lat: 49° 34.02 N
Lon: 138° 40.10 W

Lat: 49° 34.08 N
Lon: 138° 40.03 W

Extra comments:
Deep cast
Will also have loops for Sal x1,
Nut x1

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26

Station: P21

Event #: 66

Ship: Tully

UTC Date (dd|mmm|yyyy): 12 June 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed Pressure			Cs										
1		471	200	✓	200			x									
2		472	200	✓				x									
3		473	200	✓				x									
4		474	200	✓				x									
5		475	200	✓				x									
6		476	200	✓				x									
7		477	150	✓	150			x									
8		478	150	✓				x									
9		479	150	✓				x									
10		480	150	✓				x									
11		481	150	✓				x									
12		482	150	✓				x									
13		483	100	✓	100			x									
14		484	100	✓				x									
15		485	100	✓				x									
16		486	100	✓				x									
17		487	100	✓				x									
18		488	100	✓				x									
19		489	50	✓	50			x									
20		490	50	✓				x									
21		491	50	✓				x									
22		492	50	✓				x									
23		493	50	✓				x									
24		494	50	✓				x									

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

Bottom Depth: 3959 m
Transmisso Cleaned: Y ☒ N

Time	UTC	Local
Start	0804	0104
Bottom	0809	
End	0816	

Positional Information

Lat:	49 ° 30 00	N
Lon:	139 ° 40 10	W

Start

Lat:	49 ° 38 00	N
Lon:	139 ° 40 09	W

Bottom

Lat:	49 ° 37 99	N
Lon:	139 ° 40 10	W

End

Extra comments:
Cesium 200m cast

Water Properties Group

Sampling Log

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

Cruise ID:

2018-26

Station:

P21

Event #:

67

Ship:

Tully

UTC Date (dd|mmm|yyyy): 12 | 6 | 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed Pressure	Nut-F	Sal	Chl	HPLC	Gases	Cs					
1		495	500	✓	500					x					
2		496	500	✓						x					
3		497	500	✓						x					
4		498	500	✓						x					
5		499	500	✓						x					
6		500	500	✓						x					
7		501	400	✓	400					x					
8		502	400	✓						x					
9		503	400	✓						x					
10		504	400	✓						x					
11		505	400	✓						x					
12		506	400	✓						x					
13		507	300	✓	300					x					
14		508	300	✓						x					
15		509	300	✓						x					
16		510	300	✓						x					
17		511	300	✓						x					
18		512	300	✓						x					
19		513	5	✓	5					x					
20		514	5	✓						x					
21		515	5	✓						x					
22		516	5	✓						x					
23		517	5	✓						x					
24		518	5	✓		x	x	xx	xx	xx	x				

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

Bottom Depth: 3959 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0842	0142
Bottom	0916	
End	0955	

Positional Information

Start
Lat: 49 ° 37 99 N
Lon: 139 ° 39 94 WBottom
Lat: 49 ° 37 93 N
Lon: 139 ° 39 87 WEnd
Lat: 49 ° 37 96 N
Lon: 139 ° 39 87 W

Extra comments:

Cesium + IOS cast

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P22 Event #: 68 Ship: Tully UTC Date (dd|mmm|yyyy): 12 | 6 | 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed ☒ Pressure		CHL	HPLC	Nut	Sal	DOC	Gels	Gases	TOC					
1	1	519	Bot-10	☒	3991					x	x		x					
2	2	520	3500	☒					x	x	x		x					
3	3	521	3000	☒					x x	x	x		x					
4	4	522	2500	☒					x	x	x		x					
5	5	523	2000	☒					x	x	x		x					
6	6	524	1750	☒					x	x	x		x					
7	7	525	1500	☒						x	x		x					
8	8	526	1250	☒						x	x		x					
9	9	527	1000	☒						x	x		x					
10	10	528	800	☒						x	x		x					
11	11	529	600	☒						x	x		x					
12	12	530	400	☒						x	x		x					
13	13	531	300	☒						x	x		x					
14	14	532	250	☒						x	x		x					
15	15	533	200	☒						x	x		x					
16	16	534	175	☒						x	x		x					
17	17	535	150	☒						x	x		x					
18	18	536	125	☒						x	x		x					
19	19	537	100	☒						x	x		x					
20	20	538	75	☒						x	x		x					
21	21	539	50	☒						x	x		x					
22	22	540	25	☒						x	x		x					
23	23	541	10	☒						x	x		x					
24	24	542	5	☒						x x	x x	x	x	x x	x			

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

Bottom Depth:	3940	m
Transmisso Cleaned:	☒ Y ☐ N	

Time	UTC	Local
Start	1329	0629
Bottom	1436	
End	1607	

Positional Information
Lat: 49 ° 42 01 N
Lon: 140 ° 39 95 W

Lat: 49 ° 41 98 N
Lon: 140 ° 39 96 W

Lat: 49 ° 41 96 N
Lon: 140 ° 39 80 W

Extra comments:
DOC/TOC & Gels cast

Water Properties Group

Sampling Log

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

Cruise ID:

2018-26

Station:

P23

Event #: 69

Ship: Tully

UTC Date (dd|mmm|yyyy): 12 | 06 | 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed ☒ Pressure	Nut-F	Sal	Chl	HPLC	Gases	UBC								
1		543	5	☒	5	x	x	xx	xx	xx								
2																		
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): MG

Bottom Depth: 4052 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2001	1301
Bottom	2032	
End	2105	

Positional Information

Lat:	49 ° 46.11	N
Lon:	141 ° 39.88	W

Bottom

Lat:	49 ° 46.05	N
Lon:	141 ° 39.93	W

End

Lat:	49 ° 45.99	N
Lon:	141 ° 39.94	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P24 Event #: 72 Ship: Tully UTC Date (dd|mmm|yyyy): 13 | 06 | 18

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials											Comments			
			Target Pressure	Confirmed		CHL	HPLC	Nut	Sal	DOC	Gels	Gases	TOC							
				✓	Pressure															
1	1	544	Bot-10	✓	4044					x	x		x							
2	2	545	3500	✓	3500				x	x	x		x							
3	3	546	3000	✓	3000				x x	x	x		x							
4	4	547	2500	✓	2500				x	x	x		x							
5	5	548	2000	✓	2000				x	x	x		x							
6	6	549	1750	✓	1750				x	x	x		x							
7	7	550	1500	✓	1500					x	x		x							
8	8	551	1250	✓	1251					x	x		x							
9	9	552	1000	✓	1001					x	x		x							
10	10	553	800	✓	800					x	x		x							
11	11	554	600	✓	600					x	x		x							
12	12	555	400	✓	400					x	x		x							
13	13	556	300	✓	301					x	x		x							
14	14	557	250	✓	250					x	x		x							
15	15	558	200	✓	201					x	x		x							
16	16	559	175	✓	175					x	x		x							
17	17	560	150	✓	150					x	x		x							
18	18	561	125	✓	125					x	x		x							
19	19	562	100	✓	100					x	x		x							
20	20	563	75	✓	75					x	x		x							
21	21	564	50	✓	50					x	x		x							
22	22	565	25	✓	25					x	x		x							
23	23	566	10	✓	10					x	x		x							
24	24	567	5	✓	5	x x	x x	x	x	x	x	x x	x							

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

Bottom Depth:	3987	m
Transmisso Cleaned:	(Y) / N	

Time	UTC	Local
Start	0046	1746
Bottom	0156	
End	0327	

Positional Information
Lat: 49 ° 50.18 N
Lon: 142 ° 40.00 W

Start
Bottom
End

Lat: 49 ° 50.21 N
Lon: 142 ° 40.13 W

Lat: 49 ° 50.38 N
Lon: 142 ° 40.26 W

Extra comments:
DOC/TOC & Gels cast

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P25 Event #: 74 Ship: Tully UTC Date (dd|mmm|yyyy): 13 | 6 | 18

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed ✓ Pressure	Nut-F	Sal	Chl	HPLC	Gases										
									UBC										
1		568	5	✓	5	x	x	xx	xx	xx									
2																			
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): H.M.

Bottom Depth: 4148 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0703	0003
Bottom	0739	
End	0813	

Positional Information

Start

Lat: 50 ° 00 06 N

Lon: 143 ° 36 17 W

Bottom

Lat: 49 ° 59 99 N

Lon: 143 ° 36 26 W

End

Lat: 50 ° 00 03 N

Lon: 143 ° 36 21 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P35 Event #: 75 Ship: Tully UTC Date (dd|mmm|yyyy): 13|6|19

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ☒ Pressure	Nut-F	Sal	Chl	HPLC							
1		569	5		x	x	xx	xx							
2															
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): H.M.

Bottom Depth: 4150 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1052	0352
Bottom	1127	
End	1159	

Positional Information

Lat:	49 ° 59 ' 99 " N
Lon:	144 ° 10 ' 12 " W

▼

Lat:	49 ° 59 ' 98 " N
Lon:	144 ° 18 ' 14 " W

▼

Lat:	49 ° 59 ' 97 " N
Lon:	144 ° 18 ' 08 " W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P26 Event #: 76/77 Ship: Tully UTC Date (dd|mmm|yyyy): 13 | 6 | 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments	
			Target Pressure	Confirmed ✓ Pressure	OXY	Sal	Nut-F	Nut-C	DIC	TOC	DOC	Gels	Gases	SAGs	DNA	pH		
1		570	Bot-10	✓	4316	x		x	x	x	x	x		x	x			76
2		571	4000	✓		x	xx	x	x	xx	x	x		x	x			
3		572	3500	✓		x	x	x	x	x	x	x						
4		573	3000	✓		x	xx	x	x	x	x	x		x	x			
5		574	2500	✓		xx	x	xx	xx	x	x	x						
6		575	2000	✓		x	xx	x	x	x	x	x		x	x	x		
7		576	1500	✓		x	x	x	x	x	x	x		x	x	x		
8		577	1250	✓		xx	xx	x	x	x	x	x		x	x			
9		578	1000	✓		x	xx	x	x	x	x	x		x	x	x		
10		579	800	✓		x		x	x	x	x	x		x	x	x		77
11		580	600	✓		x		x	x	x	x	x		x	x			
12		581	400	✓		xx		x	x	x	x	x		x	x	x		
13		582	300	✓		x		x		x	x	x		x	x			
14		583	250	✓		x		x		x	x	x				x		
15		584	200	✓		x		x		x	x	x		x	x			
16		585	175	✓		x		x		x	x	x						
17		586	150	✓		x		x		x	x	x		x	x			
18		587	125	✓		xx		x		x	x	x						
19		588	100	✓		x		x		x	x	x		x	x	x		
20		589	75	✓		x		xx		x	x	x						
21		590	50	✓		x		x		x	x	x		x	x	x		
22		591	25	✓		x		x		x	x	x		x	x	x		
23		592	10	✓		x		x		x	x	x		x	x			
24		593	5	✓		x	x	x		x	x	x	xx			x		

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

Bottom Depth: 4250 m
 Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1430	0730
Bottom	1543	0843
End	1726	

Positional Information
 Lat: 50 ° 00 10 N
 Lon: 144 ° 59 95 W

Lat: 50 ° 00 03 N
 Lon: 144 ° 59 91 W

Lat: 50 ° 00 05 N
 Lon: 144 ° 59 95 W

Extra comments:
 Deep cast
 Will also have loops for Sal x1,
 Nut x1

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P26 Event #: 80 Ship: Tully UTC Date (dd|mmm|yyyy): 13 | 6 | 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments	
			Target Pressure	Confirmed ✓ Pressure			Cs											
1		594	150	✓	151			x										
2		595	150	✓				x										
3		596	150	✓				x										
4		597	150	✓				x										
5		598	150	✓				x										
6		599	150	✓	↓			x										
7		600	100	✓	100			x										
8		601	100	✓				x										
9		602	100	✓				x										
10		603	100	✓				x										
11		604	100	✓				x										
12		605	100	✓	↓			x										
13		606	50	✓	50			x										
14		607	50	✓				x										
15		608	50	✓				x										
16		609	50	✓				x										
17		610	50	✓				x										
18		611	50	✓	↓			x										
19		612	5	✓	5			x										
20		613	5	✓				x										
21		614	5	✓				x										
22		615	5	✓				x										
23		616	5	✓				x										
24		617	5	✓	↓			x										

Version: 25 Nov 2014

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): H. Y. Hg

Bottom Depth: 4250 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1835	1135
Bottom	1838	
End	1846	

Positional Information

Lat:	50 ° 00 15	N
Lon:	144 ° 59 98	W

Bottom

Lat:	50 ° 0.13	N
Lon:	144 ° 59.98	W

End

Lat:	50 ° 0.11	N
Lon:	145 ° 0.05	W

Extra comments:
Cesium 150m cast

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P26 Event #: 81 Ship: Tully UTC Date (dd|mmm|yyyy): 13 | 06 | 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure			Cs								
1		618	500	✓	500			x							
2		619	500	✓				x							
3		620	500	✓				x							
4		621	500	✓				x							
5		622	500	✓				x							was empty + closed
6		623	500	✓				x							
7		624	400	✓	400			x							
8		625	400	✓				x							
9		626	400	✓				x							
10		627	400	✓				x							
11		628	400	✓				x							
12		629	400	✓				x							
13		630	300	✓	300			x							
14		631	300	✓				x							
15		632	300	✓				x							
16		633	300	✓				x							
17		634	300	✓				x							
18		635	300	✓				x							
19		636	200	✓	200			x							
20		637	200	✓				x							
21		638	200	✓				x							
22		639	200	✓				x							
23		640	200	✓				x							
24		641	200	✓				x							

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): MG

Bottom Depth: 4251 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1920	1220
Bottom	1928	
End	1941	

Positional Information

Start

Lat: 50 ° 0.11 N

Lon: 145 ° 0.03 W

Bottom

Lat: 50 ° 0.16 N

Lon: 145 ° 0.00 W

End

Lat: 50 ° 0.16 N

Lon: 145 ° 0.05 W

Extra comments:

Cesium 500m cast

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P26 Event #: 83 Ship: Tully UTC Date (dd|mmm|yyyy): 14 JUN 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed Pressure	DMS	DMSP	DMSP	Nut-Fr	Chl	HPLC	Phyto	UVic	DA	bugs			
					MR	MA	d MA	TV	RN/MA	RN/MA	MR	TV	MR	CL			
1	1	642	300	✓ 300	x			x									
2	2	643	250	✓ 250				xx				x					
3	3	644	200	✓ 200	x	x	x	x									
4	4	645	150	✓ 150	x	x	x	x				x					
5	5	646	100	✓ 100	x			x	x								
6	6	647	100	✓ 100										x			
7	7	648	75	✓ 75	x			x	x								
8	8	649	60	✓ 60				x	x	xx							Fluo 0.9
9	9	650	50	✓ 50										x			
10	10	651	50	✓ 50	x			x	x	xx		x					Fluo 3.2 spike
11	11	652	40	✓ 40	x			x	xx	xx							Fluo 1.4
12	12	653	30	✓ 30	x	x	x	x	x	xx							Fluo 1.5
13	13	654	25	✓ 25	x			x	xx								
14	14	655	20	✓ 20	xx	xx	xx	x	x			x					
15	15	656	15	✓ 15	x			x	x	xx							Fluo 0.9
16	16	657	10	✓ 10	x			x	x			x					
17	17	658	5	✓ 5				x	x	xx	xxx		x				Fluo 0.5
18	18	659	5	✓ 5										x			
19	19	660	5	✓ 5	x	x	x					x					
20	20	661	0	✓ 0	x	x	x	x	x								
21																	
22																	
23																	
24																	

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

Bottom Depth: 4250 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0012	1712
Bottom	0018	
End	0037	

Positional Information

Lat:	49 ° 59.90	N
Lon:	145 ° 00.05	W

▼

Lat:	49 ° 59.89	N
Lon:	145 ° 00.04	W

▼

Lat:	49 ° 59.86	N
Lon:	145 ° 00.00	W

Extra comments:
DMS cast
Will also have loops for Chl x2

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P26 Event #: 84 Ship: Tully UTC Date (dd|mmm|yyyy): 14 | JUN | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure		UBC	CS										
						JS	RN										
1		662	2000	✓ 2000		x											
2		663	2000	✓ 2000													
3		664	2000	✓ 2000													
4		665	2000	✓ 2000													
5		666	1000	✓ 1000		x											
6		667	1000	✓ ↓													
7		668	1000	✓ ↓													
8		669	1000	✓ ↓													
9		670	500	✓ 500		x											
10		671	500	✓ ↓													
11		672	500	✓ ↓													
12		673	500	✓ ↓			X										
13		674	10	✓ 10		x											
14		675	10	✓ ↓													
15		676	10	✓ ↓													
16		677	10	✓ ↓													
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 4250 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0123	1823
Bottom	0157	
End	0235	

Positional Information

Lat:	49° 59.92	N
Lon:	144° 59.97	W

Start
Bottom
End

Lat: 49° 59.91 N
Lon: 144° 59.98 W

Lat: 49° 59.88 N
Lon: 144° 59.98 W

Extra comments:
UBC cast

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P4 Event #: 105 Ship: Tully UTC Date (dd/mm/yyyy): 17/6/18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target	Confirmed	Oxy	Nut-F	Nut-C	Sal	gases	CHL	HPLC							
			Pressure	√ Pressure														
1		678	Bot-10	✓	1322	x	x	x										
2		679	1250	✓		x	x	x	x									
3		680	1250	✓		xx	x	x	xx									
4		681	1000	✓		x	x	x	xx									
5		682	800	✓		x	x	x	x									
6		683	600	✓		x	xx	xx										
7		684	400	✓		x	x	x										
8		685	300	✓		x	x											
9		686	250	✓		x	x											
10		687	200	✓		x	x											
11		688	175	✓		xx	x											
12		689	150	✓		x	x											
13		690	125	✓		x	xx											
14		691	100	✓		x	x											
15		692	75	✓		x	x				x							
16		693	50	✓		x	x				x							
17		694	25	✓		x	x				xx							
18		695	10	✓		xx	x				x							
19		696	5	✓		x	x		x	xx	x	xx						
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): H.M.

Bottom Depth: 1315 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1515	0815
Bottom	1538	
End	1619	

Positional Information

Lat:	48 ° 39 98	N
Lon:	126 ° 40 01	W

Start

Bottom

Lat:	48 ° 39 99	N
Lon:	126 ° 39 98	W

End

Lat:	48 ° 38 99	N
Lon:	126 ° 40 20	W

Extra comments:
Deep cast
Loops 1x Sal, 1x Nut, 2x Chl