

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: Haro 59 Event #: 2 Ship: Tully UTC Date (dd mmm yyyy): 6 6 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-fr	DIC	Sal	Optical	CHL	HPLC	Phyto	DA		
					MP-60	TV	MP/TV	20		MP-60					
1		1	Bot-5	✓ 229	x	x	x								
2		2	200	✓ 201	x	x	xx								
3		3	175	✓ 175	xx	x									
4		4	150	✓ 150	x	x	x								
5		5	125	✓ 125	x	xx									
6		6	100	✓ 100	x	x	x								
7		7	75	✓ 75	x	x	x								
8		8	50	✓ 50	x	x	x			x					
9		9	40	✓ 40	xx	x				x					
10		10	30	✓ 30	x	xx	x			x					
11		11	20	✓ 20	x	x	xx			xx				1.56	
12		12	10	✓ 10	x	x	x			x				2.51	
13		13	5	✓ 4.8	x	x	x	x		xx				2.77	
14		14	0	✓ 1.3	x	x	x			x					
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

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

Bottom Depth: 231 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1836	1136
Bottom	1840	
End	1859	

Positional Information
Start
Lat: 48 ° 36 85 N
Lon: 123 ° 14 80 W

Bottom
Lat: 48 ° 36 81 N
Lon: 123 ° 14 78 W

End
Lat: 48 ° 36.77 N
Lon: 123 ° 14.83 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: JF2 Event #: 05 Ship: Tully UTC Date (dd|mm|yyyy): 05 | 06 | 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed Pressure	Oxy	Sal	Nut-F	Chl	HPLC	DIC	DA	Phyto	OPT	Gases				
1		15	Bot-5	✓ 181	x		xx			x								
2		16	150	✓ 150	x		x			x								
3		17	125	✓ 125	xx		x											
4		18	100	✓ 100	x		x			xx								
5		19	75	✓ 75	x		x			x								
6		20	50	✓ 50	x		xx	x		x								
7		21	30	✓ 30	x		x	x		x						0.354	FLOUR	
8		22	20	✓ 20	x		x	xx		xx						0.561		
9		23	10	✓ 10	x		x	x		x						0.634		
10		24	5	✓ 5	x	x	x	x		x				xx		0.21		
11		25	0	✓ 2.4	x		x	x	xx	x						1.85		
12																1.62		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth:	183	m
Transmisso Cleaned:	Y	N

Time	UTC	Local
Start	0120	1720
Bottom	0125	
End	0141	

Positional Information
Lat: 48 ° 18.01 N
Lon: 123 ° 59.62 W

Bottom
Lat: 48 ° 18.02 N
Lon: 123 ° 59.55 W

End
Lat: 48 ° 17.93 N
Lon: 123 ° 59.42 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P1 Event #: 9 Ship: Tully UTC Date (dd|mmm|yyyy): 06 | JUN | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ☒ Pressure	Oxy	Sal	Nut-Fr	HPLC	CHL		DIC		Gases		
1	1	26	Bot-10	☒ 131	x		x				x x				
2	2	27	30	☒	x		x		x x		x				
3	3	28	5		x x	x	x				x		x x		
4	4	29	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): W.M.

Bottom Depth: 135 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0936	0236
Bottom	0938	
End	0944	

Positional Information

Lat:	48	°	34	44	N
Lon:	125	°	30	06	W

Start

Lat:	48	°	34	45	N
Lon:	125	°	30	07	W

Bottom

Lat:	48	°	34	44	N
Lon:	125	°	30	08	W

End

Extra comments:
Phyto: lugol only
SHOULD BE
2018-26-0009
NOT 0006

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P2 Event #: 10 Ship: Tully UTC Date (dd|mmm|yyyy): 7 | 6 | 19

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments		
			Target Pressure	Confirmed Pressure	Oxy	Nut-F	Nut-C	Sal	DIC	DOC	TOC	Gels	Gases				
1	1	30	Bot-10	✓	107	x	x			x	x	x	x				
2	2	31	100	✓		xx	x			x	x	x	x				
3	3	32	75	✓		x	x			xx	x	x	x				
4	4	33	75	✓		x	x			x							
5	5	34	50	✓		x	x			x	x	x	x				
6	6	35	25	✓		x	xx			x	x	x	x				
7	7	36	10	✓		x	x			x	x	x	x				
8	8	37	5	✓		xx	x		x	x	x	x	x	xx			
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: 116 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1209	0509
Bottom	1212	
End	1222	

Positional Information

Lat:	48 ° 36 00 N
Lon:	126 ° 00 03 W

Start

Lat: 48 ° 36 00 N
Lon: 126 ° 00 01 W

Bottom

Lat: 48 ° 35 96 N
Lon: 126 ° 00 01 W

End

Extra comments:
Deep cast

Water Properties Group

Sampling Log

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

Cruise ID:

2018-26

Station:

P2

Event #:

H

Ship:

Tully

UTC Date (dd|mmm|yyyy): 7 | 6 | 18

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	Phyto		
				✓	MR	MA	MA	TV	TV	MR	TV	LK	MR	MR		
1		38	100	✓								x				
2		39	100	✓		x	x	x	x		x					major leak bottom cap for valve
3		40	75	✓		x			x		x					
4		41	50	✓		x			x		x					
5		42	50	✓								x				
6		43	40	✓	41	x			x	x						Fluo 1.1
7		44	30	✓	31	x			x	xx	xx					Fluo 1.9
8		45	25	✓	25	x			x	x	xx					Fluo 1.5
9		46	20	✓	20	xx	xx	xx	x	x	xx	x				Fluo 0.8
10		47	15	✓	15	x			xx	xx	xx					Fluo 0.7
11		48	10	✓	10	x			x	x	xx	x				Fluo 0.6
12		49	5	✓	5	x	x	x	x	x	xx	x	x	x		
13		50	5	✓	5							x				
14		51	0	✓	20	x	x	x	x	x						
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

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

Bottom Depth: 116 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1318	0618
Bottom	1320	
End	1333	

Positional Information

Start
Lat: 48 ° 36.00 N
Lon: 125 ° 59.94 WBottom
Lat: 48 ° 35.99 N
Lon: 125 ° 59.93 WEnd
Lat: 48 ° 36.00 N
Lon: 125 ° 59.91 W

Extra comments:

DMS + UVic

Phyto = lugol's only

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P3 Event #: 15 Ship: Tully UTC Date (dd|mmm|yyyy): 7 | 6 | 15

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed Pressure	Nut-F	Sal	Chl	HPLC	Gases	UBC								
1		52	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): M. A.Bottom Depth: 772 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1510	0810
Bottom	1525	
End	1539	

Positional Information
Start
Lat: 48 ° 37 - 57 N
Lon: 126 ° 20 - 10 WBottom
Lat: 48 ° 37 57 N
Lon: 126 ° 20 11 WEnd
Lat: 48 ° 37 59 N
Lon: 126 ° 20 11 WExtra comments:
BOTH RBS ON
66089
60672

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P4 Event #: 16 Ship: Tully UTC Date (dd|mmm|yyyy): 7 | 6 | 18

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			
1	1	53	300	✓	x			x									
2	2	54	250	✓				x x				x					
3	3	55	200	✓	x	x	x	x									
4	4	56	150	✓	x	x	x	x				x					
5	5	57	100	✓	x			x	x								
6	6	58	100	✓										x			
7	7	59	75	✓	x			x	x								
8	8	60	60	✓				x	x	x x						Fluo	
9	9	61	50	✓										x			
10	10	62	50	✓	x			x	x	x x		x				Fluo	
11	11	63	40	✓	x			x	x x	x x						Fluo	
12	12	64	30	✓	x	x	x	x	x	x x						Fluo	
13	13	65	25	✓	x			x	x x								
14	14	66	20	✓	x x	x x	x x	x	x			x					
15	15	67	15	✓	x			x	x	x x						Fluo	
16	16	68	10	✓	x			x	x			x					
17	17	69	5	✓				x	x	x x	x x x		x			Fluo	
18	18	70	5	✓										x			
19	19	71	5	✓	x	x	x					x					
20	20	72	0	✓ 2.6	x	x	x	x	x								
21																	
22																	
23																	
24																	

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

Bottom Depth: 1313 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1731	1031
Bottom	1737	
End	1759	

Positional Information

Lat:	48 ° 39 03	N
Lon:	126 ° 39 98	W

Start

Bottom

End

Lat:	48 ° 39 03	N
Lon:	126 ° 39 99	W

Lat:	48 ° 39 04	N
Lon:	126 ° 39 99	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: P4 Event #: 20 Ship: Tully UTC Date (dd|mmm|yyyy): 07 | 06 | 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed ✓ Pressure	Oxy	Nut-F	Nut-C	Sal	DIC	DOC	TOC	DNA	gases	SAGs				
					MR/MG	JS-MR	MR	MG	RN/KV	CL	CL	JALL	JS	JS	CL			
1		73	Bot-10	✓ 1320	x	x	x		x	x	x	x		x	x			
2		74	1250	✓ 1250	x	x	x	x	xx			x		x				
3		75	1250	✓ 1250	xx	x	x	xx	x	x	x				x			
4		76	1000	✓ 1001	x	x	x	xx	x	x	x	x		x	x			
5		77	800	✓ 800	x	x	x	x	x	x	x	x		x	x			0700 M RETURN TO 800 TO TELL BOT
6		78	600	✓ 600	x	xx	xx		x	x	x	x		x	x			
7		79	400	✓ 400	x	x	x		x	x	x	x		x	x			
8		80	300	✓ 300	x	x			x	x	x	x		x	x			
9		81	250	✓ 250	x	x			x	x	x				x			
10		82	200	✓ 199	x	x			x	x	x	x		x	x			
11		83	175	✓ 175	xx	x			x	x	x				x			
12		84	150	✓ 151	x	x			x	x	x	x		x	x			
13		85	125	✓ 125	x	xx			x	x	x				x			
14		86	100	✓ 100	x	x			x	x	x	x		x	x			
15		87	75	✓ 75	x	x			x	x	x				x			
16		88	50	✓ 50	x	x			x	x	x	x		x	x			
17		89	25	✓ 25	x	x			x	x	x	x		x	x			
18		90	10	✓ 10	x	x			x	x	x	x		x	x			
19		91	5	✓ 5	xx	x		x	x	x	x		xx		x			2210 SHUT DOWN LOOP SYSTEM
20																		Took Loop! 2232 back on
21																		
22																		
23																		
24																		

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

Bottom Depth: 1314 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2124	1424
Bottom	2147	
End	2233	

Positional Information

Lat:	48 ° 39.00	N
Lon:	126 ° 39.99	W

Start

Lat: 48 ° 39.02 N
Lon: 126 ° 40.01 W

Bottom

Lat: 48 ° 39.01 N
Lon: 126 ° 40.04 W

End

Extra comments:
Deep cast
Plus loops 1x Sal, 1x Nut

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P4 Event #: 21 Ship: Tully UTC Date (dd|mmm|yyyy): 07 | 06 | 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed Pressure			Cs										
1		92	150	✓ 150			x										
2		93	150	✓ 151			x										
3		94	150	✓ 150			x										
4		95	150	✓ 150			x										
5		96	150	✓ 151			x										
6		97	150	✓ 150			x										
7		98	100	✓ 100			x										
8		99	100	✓ 100			x										
9		100	100	✓ 100			x										
10		101	100	✓ 100			x										
11		102	100	✓ 100			x										
12		103	100	✓ 100			x										
13		104	50	✓ 50			x										
14		105	50	✓			x										
15		106	50	✓			x										
16		107	50	✓			x										
17		108	50	✓			x										
18		109	50	✓			x										
19		110	5	✓ 5			x										
20		111	5	✓			x										
21		112	5	✓			x										
22		113	5	✓			x										
23		114	5	✓			x										
24		115	5	✓			x										

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): MGBottom Depth: 136 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2340	1640
Bottom	2343	
End	2351	

Positional Information
Start
Lat: 48 ° 38.99 N
Lon: 126 ° 39.98 WBottom
Lat: 48 ° 38.99 N
Lon: 126 ° 40.00 WEnd
Lat: 48 ° 38.99 N
Lon: 126 ° 40.01 WExtra comments:
Cesium 150m cast

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P4 Event #: 22 Ship: Tully UTC Date (dd|mmm|yyyy): 08|06|18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed Pressure			Cs										
1		116	500	✓ 500			x										
2		117	500	✓ 500			x										
3		118	500	✓ 500			x										
4		119	500	✓ 500			x										
5		120	500	✓ 500			x										
6		121	500	✓ 500			x										
7		122	400	✓ 400			x										
8		123	400	✓ 400			x										
9		124	400	✓ 400			x										
10		125	400	✓ 400			x										
11		126	400	✓ 400			x										
12		127	400	✓ 400			x										
13		128	300	✓ 300			x										
14		129	300	✓ 300			x										
15		130	300	✓ 300			x										
16		131	300	✓ 300			x										
17		132	300	✓ 300			x										
18		133	300	✓ 300			x										
19		134	200	✓ 200			x										
20		135	200	✓ 200			x										
21		136	200	✓ 200			x										
22		137	200	✓ 200			x										
23		138	200	✓ 200			x										
24		139	200	✓ 200			x										

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

Bottom Depth: 1320 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0019	1719
Bottom	0027	
End	004	

Positional Information

Lat:	48 ° 38.99	N
Lon:	126 ° 40.02	W

Start

Lat:	48 ° 38.99	N
Lon:	126 ° 40.04	W

Bottom

Lat:	48 ° 38.98	N
Lon:	126 ° 40.07	W

End

Extra comments:
Cesium 500m cast

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P4 Event #: 23 Ship: Tully UTC Date (dd|mmm|yyyy): 08 | 06 | 18

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials													Comments
			Target Pressure	Confirmed	Pressure	UBC													
				✓															
1	1	140	Bot-10	✓	1320		x												
2	2	141	Bot-10	✓	↓														
3	3	142	Bot-10	✓	↓														
4	4	143	Bot-10	✓	↓														
5	5	144	1000	✓	1000		x												
6	6	145	1000	✓	↓														
7	7	146	1000	✓	↓														
8	8	147	1000	✓	↓														
9	9	148	500	✓	500		x												
10	10	149	500	✓	↓														
11	11	150	500	✓	↓														
12	12	151	500	✓	↓														
13	13	152	10	✓	10		x												
14	14	153	10	✓	↓														
15	15	154	10	✓	↓														
16	16	155	10	✓	↓														
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 1315 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0155	1855
Bottom	0219	
End	0246	

Positional Information
Start
Lat: 48 ° 38.99 N
Lon: 126 ° 40.01 W

Bottom
Lat: 48 ° 38.96 N
Lon: 126 ° 39.91 W

End
Lat: 48 ° 38.97 N
Lon: 126 ° 39.92 W

Extra comments:
UBC cast

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P5 Event #: 24 Ship: Tully UTC Date (dd|mmm|yyyy): 08 | 06 | 18

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials										Comments			
			Target	Confirmed		Nut-F	Sal	Chl	HPLC	Gases									
			Pressure	✓	Pressure														
1		156	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: 2082 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0525	2225
Bottom	0559	
End	0632	

Positional Information

Lat:	48 ° 41.56	N
Lon:	127 ° 16.07	W

▼

Lat:	48 ° 41.54	N
Lon:	127 ° 10.07	W

▼

Lat:	48 ° 41.54	N
Lon:	127 ° 9.88	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P6 Event #: 26 Ship: Tully UTC Date (dd|mmm|yyyy): 8 | 6 | 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed ✓ Pressure	Nut-F	Sal	Chl	HPLC	Gases									
1		157	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. G.

Bottom Depth: 2540 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0902	0202
Bottom	0935	
End	1008	

Positional Information
Lat: 48 ° 44 66 N
Lon: 127 ° 39 96 W

Lat: 48 ° 44 59 N
Lon: 127 ° 39 86 W

Lat: 48 ° 44 57 N
Lon: 127 ° 39 92 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26

Station: P7

Event #: 27

Ship: Tully

UTC Date (dd|mmm|yyyy): 8 | 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		158	5		x	x	xx	xx	xx						
2															
3															
4															
5															
6															
7															
8															
9															
10															
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14															
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17															
18															
19															
20															
21															
22															
23															
24															

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

Bottom Depth: 2501 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1238	0538
Bottom	1312	
End	1347	

Positional Information
Start
Lat: 48 ° 46 .61 N
Lon: 128 ° 09 94 W

Bottom
Lat: 48 ° 46 61 N
Lon: 128 ° 09 93 W

End
Lat: 48 ° 46 58 N
Lon: 128 ° 09 91 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P8 Event #: 31 Ship: Tully UTC Date (dd|mmm|yyyy): 8 | 6 | 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										TV				Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut Fr	Nut C	Chl	HPLC	DOC	TOC	UBC	UVic	Gels				
													gases	TV	CL				
1		159	2000	✓ 2000	x	xx	x	x			x	x			x				
2		160	1500	✓ 1500	x	x	x	x			x	x			x				
3		161	1250	✓ 1251	x	x	xx	xx			x	x			x				
4		162	1000	✓ 1000	x	xx	x	x			x	x			x				
5		163	800	✓ 800	x	x	x	x			x	x			x				
6		164	600	✓ 600	xx		x	x			x	x			x				
7		165	400	✓ 400	x		x	x			x	x			x				
8		166	300	✓ 300	x		x				x	x			x				
9		167	250	✓ 250	x		x				x	x		x	x				
10		168	200	✓ 200	x		x				x	x			x				
11		169	175	✓ 175	x		x				x	x			x				
12		170	150	✓ 150	x		xx				x	x		x	x				
13		171	100	✓ 100	xx		x		x		x	x			x				
14		172	75	✓ 74	x		x		x		x	x			x				
15		173	60	✓ 60	x		x		x	xx									
16		174	50	✓ 50	x		x		x	xx	x	x		x	x				
17		175	40	✓ 40	x		x		x	xx									
18		176	30	✓ 30	x		x		x	xx									
19		177	25	✓ 25	x		x		xx		x	x			x				
20		178	20	✓ 19	x		x		xx					x					
21		179	15	✓ 15	x		x		x	xx									
22		180	10	✓ 10	x		x		x		x	x		x	x				
23		181	5	✓ 5	xx	x	x				x	x	xx		x				
24		182	5	✓ 5			x		x	xx				x					

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

Bottom Depth: 2575 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1808	1108
Bottom	1841	
End	1941	

Positional Information

Lat:	48 ° 49 00	N
Lon:	128 ° 40 01	W

Start
Bottom
End

Lat: 48 ° 49.00 N
Lon: 128 ° 40.05 W

Lat: 48 ° 48.94 N
Lon: 128 ° 39.76 W

Extra comments:
Will also have loops for Sal x1,
Nut x1, Chl x2

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P9 Event #: 33 Ship: Tully UTC Date (dd|mmm|yyyy): 08 | 06 | 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials							Comments						
			Target	Confirmed	Nut-F	Sal	Chl	HPLC	Gases	UBC								
			Pressure	✓ Pressure														
1		183	5	✓ 5	x	x	x x	x x	x x									
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
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22																		
23																		
24																		

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

Bottom Depth: 2337 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2223	1523
Bottom	2256	
End	2331	

Positional Information

Lat:	48 °	51.37	N
Lon:	129 °	09.92	W

▼

Lat:	48 °	51.41	N
Lon:	129 °	09.96	W

▼

Lat:	48 °	51.30	N
Lon:	129 °	09.89	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P10 Event #: 35 Ship: Tully UTC Date (dd|mmm|yyyy): 09 | 06 | 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure			Cs								
1		184	200	✓ 200			x								
2		185	200	✓			x								
3		186	200	✓			x								
4		187	200	✓			x								
5		188	200	✓ ↓			x								
6		189	200	✓ 201			x								
7		190	150	✓ 150			x								
8		191	150	✓			x								
9		192	150	✓			x								
10		193	150	✓			x								
11		194	150	✓			x								
12		195	150	✓ ↓			x								
13		196	100	✓ 100			x								
14		197	100	✓ 100			x								
15		198	100	✓ 101			x								
16		199	100	✓ 100			x								
17		200	100	✓ ↓			x								
18		201	100	✓			x								
19		202	50	✓ 50			x								
20		203	50	✓			x								
21		204	50	✓			x								
22		205	50	✓			x								
23		206	50	✓			x								
24		207	50	✓ ↓			x								

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

Bottom Depth: 2643 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0215	1815
Bottom	0218	
End	0225	

Positional Information

Lat:	48 ° 53.52	N
Lon:	129 ° 39.81	W

Start

Lat:	48 ° 53.51	N
Lon:	129 ° 39.81	W

Bottom

Lat:	48 ° 53.51	N
Lon:	129 ° 39.80	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: P10 Event #: 36 Ship: Tully UTC Date (dd|mmm|yyyy): 09 | 06 | 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed Pressure	Nut-F	Sal	Chl	HPLC	Gases	Cs					
1		208	500	✓ 500						x					
2		209	500	✓						x					
3		210	500	✓						x					
4		211	500	✓						x					
5		212	500	✓						x					
6		213	500	✓						x					
7		214	400	✓ 400						x					
8		215	400	✓						x					
9		216	400	✓						x					
10		217	400	✓						x					
11		218	400	✓						x					
12		219	400	✓						x					
13		220	300	✓ 300						x					
14		221	300	✓						x					
15		222	300	✓						x					
16		223	300	✓						x					
17		224	300	✓						x					
18		225	300	✓						x					
19		226	5	✓ 5						x					
20		227	5	✓						x					
21		228	5	✓						x					
22		229	5	✓						x					
23		230	5	✓						x					
24		231	5	✓		x	x	xx	xx	xx	x				

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

Bottom Depth: 2642 m
 Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0250	2050
Bottom	0323	
End	0402	

Positional Information

Start	Lat: 48 ° 53.56 N
	Lon: 129 ° 39.88 W

Bottom

	Lat: 48 ° 53.51 N
	Lon: 129 ° 39.87 W

End

	Lat: 48 ° 53.49 N
	Lon: 129 ° 39.86 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: P11 Event #: 37 Ship: Tully UTC Date (dd|mmm|yyyy): 09 | 06 | 18

Cruise ID: 2018-20 Station: 141			2018-20 Station: 141		2018-20 Station: 141										2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-20 Station: 141		2018-2	
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Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): MG

Bottom Depth: 2751 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Start	0639	2339
Bottom	0712	
End	0745	

Positional Information

Start

Lat: 48 ° 56.02 N

Lon: 130 ° 10.03 W

Bottom

Lat: 48 ° 56.03 N

Lon: 130 ° 10.06 W

End

Lat: 48 ° 55.96 N

Lon: 130 ° 09.96 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P12 Event #: 38 Ship: Tully UTC Date (dd|mmm|yyyy): 9 | 6 | 18

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials													Comments
			Target Pressure	Confirmed			UBC												
				✓	Pressure														
1		233	2000	✓			x												
2		234	2000	✓															
3		235	2000	✓															
4		236	2000	✓															
5		237	1000	✓			x												
6		238	1000	✓															
7		239	1000	✓															
8		240	1000	✓															
9		241	500	✓			x												
10		242	500	✓															
11		243	500	✓															
12		244	500	✓															
13		245	10	✓			x												
14		246	10	✓															
15		247	10	✓															
16		248	10	✓															
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): H.M.

Bottom Depth: 3233 3030 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	10 25	0325
Bottom	10 59	
End	11 36	

Positional Information

Lat: 48 ° 58 23 N

Lon: 130 ° 40 02 W

Lat: 48 ° 58 13 N

Lon: 130 ° 39 91 W

Lat: 48 ° 58.20 N

Lon: 130 ° 40.00 W

Extra comments:

UBC cast

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P12 Event #: 43 Ship: Tully UTC Date (dd|mmm|yyyy): 09 | 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	SAGs	DNA	Gases		
					HM/LM	HM/LM	JADE	JADE	HM/LV	CL	CL	CL	UBC	UBC	UBC		
1		249	Bot-10	✓ 3274	x		x	x	x	x	x	x	x	x	ALL		
2		250	3000	✓	x	xx	x	x	xx								
3		251	3000	✓	xx	x	x	x	x	x	x	x	x	x			
4		252	2500	✓	x	xx	x	x	x	x	x	x					
5		253	2000	✓	x	x	xx	xx	x	x	x	x	x	x			
6		254	1500	✓	x	xx	x	x	x	x	x	x	x	x			
7		255	1250	✓	x	x	x	x	x	x	x	x	x	x			
8		256	1000	✓	x	xx	x	x	x	x	x	x	x	x			
9		257	800	✓	x		x	x	x	x	x	x	x	x			
10		258	600	✓	x		x	x	x	x	x	x	x	x			
11		259	400	✓	x		x	x	x	x	x	x	x	x			
12		260	300	✓	xx		x		x	x	x	x	x	x			
13		261	250	✓	x		x		x	x	x	x					
14		262	200	✓	x		x		x	x	x	x	x	x			
15		263	175	✓	xx		x		x	x	x	x					
16		264	150	✓	x		x		x	x	x	x	x	x			
17		265	125	✓	x		x		x	x	x	x					
18		266	100	✓	x		x		x	x	x	x	x	x			
19		267	75	✓	x		x		x	x	x	x					
20		268	50	✓	x		x		x	x	x	x	x	x			
21		269	25	✓	x		xx		x	x	x	x	x	x			
22		270	10	✓	xx		x		x	x	x	x	x	x			
23		271	5	✓	x	x	x		x	x	x	x			xx		
24																	

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

Watchkeeper(s): ML/HM

Bottom Depth: 3233 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1345	0645
Bottom	1439	
End	1600	

Positional Information

Lat: 48 ° 58.20 N

Lon: 130 ° 39.94 W

Lat: 48 ° 58 22 N

Lon: 130 ° 40 .00 W

Lat: 48 ° 58 25 N

Lon: 130 ° 40 00 W

Extra comments:

Deep cast

Plus loops 1x Sal, 1x Nut

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P12

Event #: 44

Ship: Tully

UTC Date (dd|mmm|yyyy): 9 | 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			
1		272	300	✓ 300	x			x									
2		273	250	✓				x									
3		274	200	✓	x	x	x	x						x			
4		275	150	✓	x	x	x	x									TOP VALVE OPER
5		276	100	✓	x			xx	x								
6		277	75	✓	x			x	x								
7		278	60	✓				x	x	xx							Fluo 1.026
8		279	50	✓	x			x	x	xx							Fluo 1.954
9		280	40	✓	x			x	xx	xx				x			Fluo 1.863
10		281	30	✓	x	x	x	x	x	xx							Fluo 1.29
11		282	25	✓	x			x	x								
12		283	20	✓	xx	xx	xx	x	x								VALVE OPEN
13		284	15	✓	x			x	x	xx				x			Fluo 0.878
14		285	10	✓	x			x	xx								
15		286	5	✓	x	x	x	x						x			Fluo 0.744
16		287	5	✓					x	xx				x			
17		288	0	✓	x	x	x	x	x								Fluo 0.717
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 3235 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1719	1019
Bottom	1725	
End	1744	

Positional Information

Lat:	48° 58' 19" N
Lon:	130° 39' 98" W

Start

Lat:	48° 58' 21" N
Lon:	130° 40' 00" W

Bottom

Lat:	48° 58' 19" N
Lon:	130° 40' 02" 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: P13 Event #: 45 Ship: Tully UTC Date (dd|mmm|yyyy): 09 | 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		289	5	☒ 5	x	x	xx	xx	xx							FLDUE @ 25-35 SLIKE TO 25
2																GOING DOWN
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: 3005 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2226	1526
Bottom	2300	
End	2333	

Positional Information

Lat:	49 ° 02.63	N
Lon:	131 ° 39.94	W

▼

Lat:	49 ° 02.63	N
Lon:	131 ° 39.97	W

▼

Lat:	49 ° 02.65	N
Lon:	131 ° 39.98	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P14 Event #: 46 Ship: Tully UTC Date (dd|mmm|yyyy): 10 | 06 | 18

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments		
			Target Pressure	Confirmed ✓	Pressure	CHL	HPLC	Nut	Sal	DOC	TOC	Gases	Gels				
1	1	290	Bot-10	✓	3361				x	x	x		x				Floor Peak ~ 40 m
2	2	291	3000	✓	3001				x	x	x		x				
3	3	292	2500	✓	2501				xx	x	x		x				
4	4	293	2250	✓	2250				x	x	x		x				
5	5	294	2000	✓	1999				x	x	x		x				
6	6	295	1750	✓	1750				x	x	x		x				
7	7	296	1500	✓	1500				xx	x	x		x				
8	8	297	1250	✓	1250				x	x	x		x				
9	9	298	1000	✓	1000				xx	x	x		x				
10	10	299	800	✓	800				x	x	x		x				
11	11	300	600	✓	600				x	x	x		x				
12	12	301	400	✓	400				x	x	x		x				
13	13	302	300	✓	300				x	x	x		x				
14	14	303	250	✓	250				x	x	x		x				
15	15	304	200	✓	200				x	x	x		x				
16	16	305	175	✓	175				x	x	x		x				
17	17	306	150	✓	150				x	x	x		x				
18	18	307	125	✓	125				x	x	x		x				
19	19	308	100	✓	100				x	x	x		x				
20	20	309	75	✓	75				x	x	x		x				
21	21	310	50	✓	50				x	x	x		x				
22	22	311	25	✓	25				x	x	x		x				
23	23	312	10	✓	10				x	x	x		x				
24	24	313	5	✓	5	xx	xx	x	x	x	x	xx	x				

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

Bottom Depth: 3318 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0444	2144
Bottom	0540	
End	0659	

Positional Information
Lat: 49 ° 07.34 N
Lon: 132 ° 39.94 W

Lat: 49 ° 07.28 N
Lon: 132 ° 39.89 W

Lat: 49 ° 07 30 N
Lon: 132 ° 39 85 W

Extra comments:
DOC cast
TOC
GELS

Water Properties Group

Sampling Log

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

Cruise ID: 2018-26 Station: P15 Event #: 48 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	Nut-F	Sal	Chl	HPLC	Gases						
1		314	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): HM

Bottom Depth: 3407 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1153	0453
Bottom	1228	
End	1301	

Positional Information

Lat:	49 ° 11 . 96	N
Lon:	133 ° 39 . 98	W

▼

Lat:	49 ° 11 98	N
Lon:	133 ° 39 93	W

▼

Lat:	49 ° 11 96	N
Lon:	133 ° 40 00	W

Extra comments:

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
▼		
Lat:	49 ° 16 98	N
Lon:	134 ° 39 95	W
▼		
Lat:	49 ° 16 98	N
Lon:	134 ° 39 38	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: 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		OXY	Sal	Nut-F	Nut-C	DIC	TOC	DOC	Gels	Gases	SAGs	DNA				
				✓	Pressure	MP/HG	PW	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/MG

Bottom Depth: 3635 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1905	1205
Bottom	2007	1307
End	2126	

Positional Information

Lat:	49° 16.97	N
Lon:	134° 40.14	W

Bottom

Lat:	49° 17.02	N
Lon:	134° 40.12	W

End

Lat:	49° 17.07	N
Lon:	134° 40.10	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:

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

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

Start
Lat: 49 ° 17.05 N
Lon: 134 ° 40.12 WBottom
Lat: 49 ° 17.06 N
Lon: 134 ° 40.08 WEnd
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 19

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

Cruise ID: 2010-20			Station: 01A		Date: 11/11/2010													Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

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 3.55
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

Start

Lat:	49 ° 34.11	N
Lon:	138 ° 40.17	W

Bottom

Lat:	49 ° 34.07	N
Lon:	138 ° 40.26	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:

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	x				
2		448	3500	✓ 3501	x	xx	x	x	xx										
3		449	3500	✓ 3500	xx	x	x	x	x	x	x	x							
4		450	3000	✓ 3000	x	xx	x	x	x	x	x	x		x	x				
5		451	2500	✓ 2500	x	x	x	x	x	x	x	x							
6		452	2000	✓ 2000	x	xx	x	x	x	x	x	x		x	x				
7		453	1500	✓ 1500	x	x	xx	xx	x	x	x	x		x	x				
8		454	1250	✓ 1251	xx	xx	x	x	x	x	x	x		x	x				
9		455	1000	✓ 1000	x	xx	x	x	x	x	x	x		x	x				
10		456	800	✓ 800	x		x	x	x	x	x	x		x	x				
11		457	600	✓ 600	x		x	x	x	x	x	x		x	x				
12		458	400	✓ 400	x		x	x	x	x	x	x		x	x				
13		459	300	✓ 300	x		x		x	x	x	x		x	x				
14		460	250	✓ 251	xx		x		x	x	x	x							
15		461	200	✓ 200	x		x		x	x	x	x		x	x				
16		462	175	✓ 176	x		x		x	x	x	x							
17		463	150	✓ 150	x		xx		x	x	x	x		x	x				
18		464	125	✓ 125	x		x		x	x	x	x							
19		465	100	✓ 100	xx		x		x	x	x	x		x	x				
20		466	75	✓ 75	x		x		x	x	x	x							
21		467	50	✓ 50	x		x		x	x	x	x		x	x				
22		468	25	✓ 25	x		x		x	x	x	x		x	x				
23		469	10	✓ 10	x		x		x	x	x	x		x	x				
24		470	5	✓ 5	x	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
Start
Lat: 49° 34.03 N
Lon: 138° 40.05 W

Bottom
Lat: 49° 34.02 N
Lon: 138° 40.10 W

End
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	0808	
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

Lat:	49 ° 37 99	N
Lon:	139 ° 40 10	W

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

Lat:	49 ° 37 99	N
Lon:	139 ° 39 94	W

Start

Lat:	49 ° 37 93	N
Lon:	139 ° 39 87	W

Bottom

Lat:	49 ° 37 96	N
Lon:	139 ° 39 87	W

End

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	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

Start

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 ✓	Pressure	CHL	HPLC	Nut	Sal	DOC	Gels	Gases	TOC						
1	1	544	Bot-10	✓	4044					x	x		x						
2	2	545	3500	✓	3500				x	x	x		x						
3	3	546	3000	✓	3000				xx	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	xx	xx	x	x	x	x	xx	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		Nut-F	Sal	Chl	HPLC										
				√	Pressure														
1		569	5			x	x	x x	x x										
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

Bottom

Lat:	50 ° 00 03	N
Lon:	144 ° 59 91	W

End

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	Confirmed			Cs											
			Pressure	✓ Pressure														
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. / H. G.

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

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

Start

▼

Lat:	49° 59.89	N
Lon:	145° 00.04	W

Bottom

▼

Lat:	49° 59.86	N
Lon:	145° 00.00	W

End

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										
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										← Rick collected 10L
13		674	10	✓ 10		x											to replace empty bottle from his Cs cast (bottle 5, event 81)
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

▼

Lat:	49° 59.91	N
Lon:	144° 59.98	W

Bottom

▼

Lat:	49° 59.88	N
Lon:	144° 59.98	W

End

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