

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

Lat: 48 ° 18.02 N
Lon: 123 ° 59.55 W

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						
						2.4/1.2			2.1	2.2/1.4	CL	CL	CL	1.5					
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																			

Version: 25 Nov 2014

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								Fluo 1.1
7		44	30	✓	31	x			xx	xx							Fluo 1.9
8		45	25	✓	25	x			x		xx						Fluo 1.5
9		46	20	✓	20	xx	xx	xx	x		xx	x					Fluo 0.8
10		47	15	✓	15	x			xx	xx	xx						Fluo 0.7
11		48	10	✓	10	x			x		xx	x					Fluo 0.6
12		49	5	✓	5	x	x	x	x		xx	x	x	x			
13		50	5	✓	5							x					
14		51	0	✓	20	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

Lat:	48 ° 39 03	N
Lon:	126 ° 39 99	W

Bottom

Lat:	48 ° 39 04	N
Lon:	126 ° 39 99	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: 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 TEMP 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

Start
Lat: 48 ° 38.99 N
Lon: 126 ° 40.02 WBottom
Lat: 48 ° 38.99 N
Lon: 126 ° 40.04 WEnd
Lat: 48 ° 38.98 N
Lon: 126 ° 40.07 WExtra 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													
			✓	Pressure															
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															
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: 2501 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1238	0538
Bottom	1312	
End	1347	

Positional Information

Lat: 48 ° 46 .61 N

Lon: 128 ° 09 94 W

Lat: 48 ° 46 61 N

Lon: 128 ° 09 93 W

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					
					AG/BN	TV	TV/RN	TV/BN	MG/BN	MA	CL	CL	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	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: 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

			Rosette Operation		Samples Taken / Sampler's Initials										Comments			
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ☒ Pressure	Nut-F	Sal	Chl	HPLC	Gases									
									UBC									
1		232	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: 2751 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	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/LM	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								TOP VALVE OPER
4		275	150	✓		x	x	x	x								
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						Fluo 1.863
10		281	30	✓		x	x	x	x	x	xx						Fluo 1.29
11		282	25	✓		x			x	x							VALVE OPEN
12		283	20	✓		xx	xx	xx	x	x							Fluo 0.878
13		284	15	✓		x			x	x	xx						
14		285	10	✓		x			x	xx							Fluo 0.744
15		286	5	✓		x	x	x	x								
16		287	5	✓						xx							Fluo 0.717
17		288	0	✓		x	x	x	x	x							
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							FLDUR @ 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

Start

Lat:	49 ° 02.63	N
Lon:	131 ° 39.97	W

Bottom

Lat:	49 ° 02.65	N
Lon:	131 ° 39.98	W

End

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	UBC								
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

1728

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: