

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken					Sample Lists:		All Samples			Comments		
			Target Pressure	Confirmed														
				✓	Pressure	OXY	Nut-F	SAL	CHL	TOC-S	DOC-S	CDOM-S	O18	SPC	DIC			
1		1	480	475	✓								xxx					
2		2	0					x	xx	x	x	x						
3		3	0										xxx					
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?

Waterkeeper(s): SP

Bottom Depth: 476 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1831	1131
Bottom	1840	1140
End	1849	1149

Positional Information

Start

Lat: 48 ° 32.260 N
Lon: 126 ° 11.550 W

Bottom

Lat: 48 ° 32.240 N
Lon: 126 ° 11.490 W

End

Lat: 48 ° 32.240 N
Lon: 126 ° 11.450 W

Extra comments:

* 60 sec soak

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2021-069

Station:

E01

Event #:

6

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

03 JUN 2021

Niskin #		Firing #		Sample #		Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists: All_Samples				Comments	
						Target Pressure	Confirmed Pressure	OXY	Nut-F	SAL	CHL	TOC-S	DOC-S	CDOM-S	O18	SPC	DIC						
						✓	Pressure																
1		4	103	✓	98										xxx								
2		5	0	✓					x	xx	x	x	x										
3		6	0	✓												xxx							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							
13																							
14																							
15																							
16																							
17																							
18																							
19																							
20																							
21																							
22																							
23																							
24																							

Version: 13NOV2020

Transmissometer to be cleaned before each cast, do not use Ammonia products

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

Bottom Depth: 101 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0134	1834
Bottom	0135	1835
End	0139	1839

Positional Information
Start
Lat: 49 ° 17.378 N
Lon: 126 ° 36.176 W

Bottom
Lat: 49 ° 17.393 N
Lon: 126 ° 36.161 W

End
Lat: 49 ° 17.390 N
Lon: 126 ° 36.177 W

Extra comments:

* 60 sec soak

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:				All_Samples				Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	SAL	CHL	TOC-S	DOC-S	CDOM-S	O18	SPC	DIC			
1		7	B-5	✓ 1908			Xx						X				DS driving ↓ SP driving ↓
2		8	B-10	✓ 1903			xx						x				
3		9	1500	✓ 1500									xxx				
4		10	1000	✓ 1000									x				
5		11	750	✓									x				
6		12	500	✓									x				
7		13	300	✓									x				
8		14	200	✓									xx				
9		15	100	✓									x				
10		16	75	✓									x				
11		17	50	✓									x				
12		18	30	✓									x				
13		19	20	✓									x				
14		20	10	✓									x				
15		21	0	✓ 2.8									x				
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 1900 m

Transmisso Cleaned: (Y) / N

Time UTC Local

Start 1750 1050

Bottom 1824 1124

End 1907 1207

Positional Information

Start Lat: 50 ° 41.420 N

Start Lon: 129 ° 27.880 W

Bottom Lat: 50 ° 41.430 N

Bottom Lon: 129 ° 27.900 W

End Lat: ° 41 410 N

End Lon: ° 27.910 W

Extra comments:

PAR removed for cast

* 60 sec soak

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists: All_Samples				Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	SAL	CHL	TOC-S	DOC-S	CDOM-S	O18	SPC	DIC			
1		22	B-5	✓ 2092	x	x											
2		23	B-5	✓ 2092			x		x	x	x	x					
3		24	B-5	✓ 2092									xxx				
4		25	1500	✓	x	x											
5		26	1000	✓	x	x											
6		27	750	✓	xx	x											
7		28	500	✓	x	x											
8		29	400	✓	x	x											
9		30	300	✓ 297	x	xx											
10		31	250	✓ 249	x	x											
11		32	200	✓	x	x											
12		33	150	✓	x	x											
13		34	100	✓	xx	x											
14		35	75	✓	x	x											
15		36	50	✓	x	x											
16		37	50	✓			x		x	x	x	x					
17		38	30	✓	x	xx											
18		39	20	✓	x	x		x									
19		40	10	✓	x	x		x									
20		41	5	✓	x	x		xx									
21		42	0	✓	x	x		x									
22		43	0	✓			x		x	x	x	x					
23		44	0	✓									xxx				
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 2081 m

Transmisso Cleaned: Y N

Time UTC Local

Start 0002 1702

Bottom 0037 1737

End 0127 1827

Positional Information

Lat: 50 ° 53.710 N

Lon: 129 ° 52.360 W

▼

Lat: 50 ° 53.690 N

Lon: 129 ° 52.1230 W

▼

Lat: ° 53.710 N

Lon: ° 52.020 W

Extra comments:

* 60 sec soak

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID:

2021-069

Station:

C106

Event #:

17

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 04 | 06 | 1

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists: All_Samples				Comments			
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC			Save sheet after printing labels: YES			
1	1	45	B-5	5-7	x			x												
2	2	46	b-5	5-8			x			x	x	x	x							
3	3	47	b-5	5-8													xxx			
4	4	48	750	750	x			x												
5	5	49	500	500	x	xx														
6	6	50	400	402	x	x														
7	7	51	300	300	xx	x														
8	8	52	250	251	x	x														
9	9	53	200	201	x	x														
10	10	54	150	150	x	x														
11	11	55	100	100	x	x														
12	12	56	75	75	xx	x														
13	13	57	50	50	x	xx														
14	14	58	50	49			x			x	x	x	x							
15	15	59	30	30	x	x														
16	16	60	20	20	x	x			xx											
17	17	61	10	10	x	x														
18	18	62	5	5.5	x	x			x											
19		63	0	3.1	x	x			x											
20		64	0	2.9			x			xx	xx	xx	x							
21		65	0	3													xxx			
22																				
23																				
24																				

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

Bottom Depth: 820 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0428	
Bottom	0447	
End	0520	

Positional Information

Lat:	51 ° 02.100	N
Lon:	129 ° 37.950	W

Start

Lat:	51 ° 02.030	N
Lon:	129 ° 37.940	W

Bottom

Lat:	51 ° 01.880	N
Lon:	129 ° 37.710	W

End

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments	
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC		DIC	Save sheet after printing labels: YES	
1	1	66	B-5	255	x	x										x		
2	2	67	b-5	256			x			x	x	x	x				DIC for HAKAI	
3	3	68	b-5	255										xxx				
4	4	69	200	201	x	x										x		
5	5	70	150	154	x	xx										xx		
6	6	71	100	100	x	x										x		
7	7	72	75	75	xx	x										x		
8	8	73	50	52	x	x										x		
9	9	74	50	50			x			x	x	x	x					
10	10	75	30	30	xx	x			x							x		
11	11	76	20	21	x	x										x		
12	12	77	10	10	x	xx			xx							x		
13	13	78	5	5	x	x			xx									
14	14	79	0	3	x	x			xx							x		
15	15	80	0	2			x			xx	xx	x	x					Top of bottle broochal surface
16	16	81	0	3										xxx				
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 260 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 0909

Bottom

End

Positional Information

Lat: 51 ° 19.110 N

Lon: 129 ° 03.140 W

Start

Bottom

End

Lat: ° N

Lon: ° W

Lat: ° N

Lon: ° W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

UTC Date (dd|mmm|yyyy): 04 JUN 2021

Cruise ID:

2021-069

Station:

Scotts2

Event #:

23

Ship:

JP Tully

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

SP

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC		DIC		
1		82	B-5	✓ 285	x	x					x	x	x	x			x	DIC for HAKAI
2		83	b-5	✓ 285			x			x	x	x	x	xxx				
3		84	b-5	✓ 285														
4		85	250	✓	x	x											x	
5		86	200	✓	x	x											x	
6		87	150	✓	x	x											xx	
7		88	100	✓	xx	x											x	
8		89	75	✓	x	x											x	
9		90	50	✓	x	x				x	x	x	x					
10		91	50	✓			x										x	
11		92	30	✓	x												x	
12		93	20	✓	x	xx			x								x	
13		94	10	✓	x	x				x								
14		95	5	✓	x	x				xx							x	
15		96	0	✓	x	x												
16		97	0	✓			x			xx	xx	x	x	xxx				
17		98	0	✓														
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Bottom Depth: 289 m
Transmisso Cleaned: Y / N

Time UTC Local
Start 1511 0811
Bottom 1516
End 1531

Positional Information
Start Lat: 51 ° 7.710 N
Lon: 129 ° 28.420 W

Bottom Lat: ° 7.710 N
Lon: ° 28.380 W

End Lat: ° 7.740 N
Lon: ° 28.290 W

Extra comments:

Cruise ID:2021-069

Station:Hak1

Event #:29

Ship:JP Tully

UTC Date (dd|mmm|yyyy):04 JUN 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples						Comments		
			Target Pressure	Confirmed	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Haki DIC	IOS DIC	Save sheet after printing labels: YES	
			Pressure	✓ Pressure														
1		99	B-5	✓ 138	x	x									x			
2		100	b-5	✓ 138			x			x	x	x	x					DIC for HAKAI
3		101	b-5	✓ 138										xxx				IOS DIC (IOS bottles)
4		102	100	✓	x	x									x			
5		103	75	✓	x	x									x			
6		104	50	✓	x	x									xxx	xx		
7		105	50	✓			x			x	x	x	x					
8		106	40	✓											xxx	xx		
9		107	30	✓	x	xx									x	xx		
10		108	20	✓	xx	x									x			
11		109	10	✓	x	x									x			
12		110	5	✓	x	x												
13		111	0	✓	x	x									x			
14		112	0	✓			x			xx	xx	xx	xx					
15		113	0	✓										xxx				
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s):SR

Bottom Depth:143 m

Transmisso Cleaned:Y / N

Time	UTC	Local
Start	2338	1638
Bottom	2340	1640
End	2350	1650

Positional Information

StartLat:51 ° 42.712 N
Lon:128 ° 14.029 W

BottomLat: ° 42.716 N
Lon: ° 14.006 W

EndLat: ° 42.701 N
Lon: ° 13.958 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples						Comments	
			Target Pressure	Confirmed	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Haki DIC	IOS DIC	Save sheet after printing labels: YES
			Pressure	✓ Pressure													
1	1	115	B-5	152	x	x									x		
2	2	116	b-5	152			x			x	x	x	x				DIC for HAKAI
3	3	117	b-5	151										xxx			
4	4	118	100	107	x	x									x		
5	5	119	75	75	x	x									x		to 68 m and then down
6	6	120	50	52	x	x									x		
7	7	121	50	52			x			x	x	x	x				
8	8	122	30	32	xx	x									xx		
9	9	123	20	19	x	x			x						x		
10	10	124	10	11	x	xx			x						x		
11	11	125	5	6	x	x			xx								
12		126	0	4	x	x			x						x		
13		127	0	3			x			xx	xx	xx	xx		x		
14		128	0	3										xxx			
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Watchkeeper(s): CH

Bottom Depth: 156 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0258	
Bottom	0307	
End	0320	

Positional Information

Start

Lat: 51 ° 35.700 N

Lon: 128 ° 17.940 W

Bottom

Lat: 51 ° 35.710 N

Lon: 128 ° 17.880 W

End

Lat: 51 ° 35.760 N

Lon: 128 ° 17.790 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples						Comments		
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC		Haki DIC	IOS DIC	Save sheet after printing labels: YES
1	1	129	B-5	211	x	x												
2	2	130	b-5	211			x			x	x	x	x					
3	3	131	b-5	211										xxx				
4	4	132	150	150	x	x												
5	5	133	100	101	x	x												
6	6	134	75	75	x	x												
7	7	135	50	50	x	xx												
8	8	136	50	50			x			x	x	x	x					
9	9	137	30	30	xx	x												
10	10	138	20	20	x	x												
11	11	139	10	10	x	x												
12	12	140	5	5	x	x												
13	13	141	0	2	x	x												
14	14	142	0	3			x			xx	xx	x	x					
15	15	143	0	3										xxx				
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 216 m

Transmisso Cleaned: (Y) / N

Time UTC Local

Start 0732

Bottom 0737

End

Positional Information

Lat: 52° 08.035' N

Lon: 128° 50.254' W

▼

Lat: ° N

Lon: ° W

▼

Lat: ° N

Lon: ° W

End

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken					Sample Lists: Core_Samples							Comments		
			Target	Confirmed	Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM			Haki	IOS	Save sheet after printing labels:		
			Pressure	✓										Pressure	O18				SPC	DIC
1	1	149	b-5		153											x				
2	2	150	150		150											x				
3	3	151	100		100											x				
4	4	152	75		74											x				
5	5	153	50		50											x				
6	6	154	30		30											x				
7	7	155	20		20											xx				
8	8	156	10		10											x				
9	9	157	0		4											x				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 156 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1038	
Bottom		
End	1054	

Positional Information

Start

Lat: 52 ° 14.950 N

Lon: 129 ° 23.900 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: 52 ° 14.930 N

Lon: 129 ° 23.960 W

Extra comments:

Sampling Log

Cruise ID: 2021-069

Station: NOAA4

Event #: 36

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 25 JUN

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists: Core_Samples				Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Haki	IOS				
1	1	158	b-5	56																
2	2	159	30	30																
3	3	160	20	21												x				
4	4	161	10	10												x				
5	5	162	0	4												xx				
6																x				
7																x				
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): CM

Bottom Depth: _____ m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1241	
Bottom	1244	
End	1251	

Positional Information

Start Lat: 52 ° 23.970 N
Lon: 129 ° 03.240 W

Bottom Lat: 52 ° 23.970 N
Lon: 129 ° 03.220 W

End Lat: 52 ° 23.960 N
Lon: 129 ° 03.210 W

Extra comments:

Cruise ID: 2021-069

Station: Juan2

Event #: 40

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 05 JUN 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples							Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Haki	IOS	Save sheet after printing labels: YES	
1		164	B-5	✓ 220	x	x									x			
2		165	b-5	✓ 220			x			x	x	x	x					
3		166	b-5	✓ 220										xxx				
4		167	200	✓	x	x									x			
5		168	150	✓	xx	x									x			
6		169	100	✓	x	x									x			
7		170	75	✓	x	xx									x			
8		171	50	✓	x	x									x	xx		
9		172	50	✓			x			x	x	x	x					
10		173	40	✓											xxx	xx		
11		174	30	✓	x	x									x	xx		
12		175	20	✓	x	x			x						x			
13		176	10	✓	x	x			x						x			
14		177	5	✓	x	x			x						x			
15		178	0	2.9	x	x			x						x			
16		179	0				x			xx	xx	xx	xx					
17		180	0											xxx				
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 223 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2252	1552
Bottom	2256	1556
End	2312	1612

Positional Information

Lat: 52 ° 31.199 N

Lon: 131 ° 25.858 W

Bottom

Lat: ° 31.165 N

Lon: ° 25.872 W

End

Lat: ° 31.164 N

Lon: ° 25.865 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

UTC Date (dd|mmm|yyyy): 06 | 06 | 2021

Cruise ID:

2021-069

Station:

JPS1

Event #:

42 43

Ship:

JP Tully

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

DS

Bottom Depth: 130 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 0119

Bottom 0127

End 0138

Positional Information

Start Lat: 52 ° 36.33 N
Lon: 131 ° 39.93 W

Bottom Lat: ° N
Lon: ° W

End Lat: 52 ° 36.27 N
Lon: 131 ° 40.05 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists: Core Samples		Haki DIC	IOS DIC	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC			
1		181	B-5	134	x	x				x	x	x	x				
2		182	b-5	134			x							xxx			
3		183	b-5	134													
4		184	100	100	x	xx											
5		185	75	75	x	x											
6		186	50	50	x	x											
7		187	50	50			x			x	x	x	x				
8		188	30	30	x	x			xx								
9		189	20	20	x	x											
10		190	10	10	xx	x			x								
11		191	5	5	x	x			x						x		
12		192	0	2.6	x	x											
13		193	0	2.6			x			xx	xx	x	x	xxx			
14		194	0	2.6													
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Transmissometer to be cleaned before each cast, do not use Ammonia products

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-069

Station: JPS4

Event #: 47

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 06 JUN 1

Ship. JP Tully

UTC Da

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists: Core_Samples				Comments
			Target	Confirmed	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Lugol's	DIC			
			Pressure	✓ Pressure															
1	1	195	B-5		360	x	x												
2	2	196	b-5		360			x			x	x	x	x					
3	3	197	b-5		360														
4	4	198	300		301	x	x								xxx				
5	5	199	250		251	x	x												
6	6	200	200		200	x	x												
7	7	201	150		150	x	x												
8	8	202	100		101	xx	x												
9	9	203	75		76	x	x												
10	10	204	50		50	x	x												
11	11	205	50		50			x			x	x	x	x					
12	12	206	30		30	x													
13	13	207	20		21	x	xx			x									
14	14	208	10		11	x	x												
15	15	209	5		6	x	x			x									
16	16	210	0		3	x	x			xx									
17	17	211	0		3			x			xx	xx	x	x		x			
18	18	212	0		3														
19															xxx				
20																			
21																			
22																			
23																			
24																			

Version: 4MAR2021

Transmissometer to be cleaned before each cast, do not use Ammonia products

Start

Bottom

End

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

Bottom Depth: 386 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0435	
Bottom	0432	
End	0504	

Positional Information
Start
Lat: 52 ° 31.013 N
Lon: 131 ° 23.776 W

Bottom
Lat: ° N
Lon: ° W

End
Lat: 52 ° 30.806 N
Lon: 131 ° 23.934 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Lugol's	Haki DIC	IOS DIC	
1	1	213	B-5	131	x	x												
2	2	214	b-5	131			x			x	x	x	x					
3	3	215	b-5	131										xxx				
4	4	216	100	100	x	x												
5	5	217	75	75	x	x												
6	6	218	50	50	x	xx												
7	7	219	50	50			x			x	x	x	x					
8	8	220	30	30	xx	x												
9	9	221	20	20	x	x			x									
10	10	222	10	10	x	x												
11	11	223	5	5	x	x			xx									
12	12	224	0	3	x	x			x						x			
13	13	225	0	3			x			xx	xx	x	x					
14	14	226	0	3										xxx				
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): OM

Bottom Depth: 135 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0739	
Bottom		
End		

Positional Information

Lat: 52 ° 33.990 N

Lon: 131 ° 05.930 W

▼

Lat: ° N

Lon: ° W

▼

Lat: ° N

Lon: ° W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-069 Station: SRN1 (MT01) Event #: 56 Ship: JP Tully UTC Date (dd|mmm|yyyy): 06 JUN 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments	
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Lugol's	Haki DIC	IOS DIC	Save sheet after printing labels: YES	
1		227	B-5	✓ 200	x	x													
2		228	b-5	✓ 200			x			x	x	x	x						
3		229	b-5	✓ 200										xxx					
4		230	150	✓ 151										xxx					
5		231	100	✓	x	xx													
6		232	75	✓	x	x													
7		233	50	✓	x	x													
8		234	50	✓			x			x	x	x	x						
9		235	30	✓	x	x													
10		236	20	✓	x	x			xx										
11		237	10	✓	xx	x													
12		238	5	✓	x	x			x										
13		239	0	✓	x	x			x						x				
14		240	0	✓			x			xx	xx	x	x						
15		241	0	✓										xxx					
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 205 m
Transmisso Cleaned: Y/N

Time	UTC	Local
Start	1946	1246
Bottom	1951	1251
End	2003	1303

Positional Information
Start
Lat: 53 ° 6.440 N
Lon: 130 ° 22.930 W

Bottom
Lat: 53 ° 6.390 N
Lon: 130 ° 22.890 W

End
Lat: 53 ° 6.350 N
Lon: 130 ° 22.710 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-069

Station: HEC1

Event #: 60

Ship: JP Tully

UTC Date (dd/mmm/yyyy): 06/06/2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists: Core Samples				Comments		
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Lugol's	Haki DIC	IOS DIC	Save sheet after printing labels: YES			
			✓																		
1		243	B-5	✓										xxx							
2		244	0	✓										xxx							
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):

Bottom Depth: 167 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2342	
Bottom	2349	
End	2353	

Positional Information
Start
Lat: 52° 49' 330 N
Lon: 129° 50' 958 W

Bottom
Lat: 52° 49' 320 N
Lon: 129° 51' 000 W

End
Lat: 52° 49' 300 N
Lon: 129° 51' 020 W

Extra comments:

Cruise ID:			2021-069		Station:		0031												
Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples					Haki		IOS		Comments Save sheet after printing labels: YES
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Lugol's	DIC	DIC		
1	1	245	B-5	500		x													
2	2	246	B-5	500			x			x	x	x	x						
3	3	247	B-5	500										xxx					
4	4	248	400	401		x													
5	5	249	300	300		x													
6	6	250	250	250		x													
7	7	251	200	200		x													
8	8	252	150	151		xx													
9	9	253	100	100		x													
10	10	254	75	76		x													
11	11	255	50	51		x													
12	12	256	50	50			x			x	x	x	x						
13	13	257	30	30		xx													
14	14	258	20	20		x			x										
15	15	259	10	10		x													
16	16	260	5	5		x			xx										
17	17	261	0	3		x			x						x				
18	18	262	0	2.5			x			xx	xx	x	x						
19	19	263	0	2.4										xxx					
20																			
21																			
22																			
23																			
24																			

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CM CWTF

Bottom Depth: 505 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0757	
Bottom	0808	
End	0832	

Positional Information

Start

Lat: 53 ° 12.580 N

Lon: 129 ° 25.120 W

Bottom

Lat: 53 ° 12.590 N

Lon: 129 ° 25.130 W

End

Lat: 53 ° 12.580 N

Lon: 129 ° 25.110 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken					Sample Lists:				Core_Samples		Haki		IOS	Comments	
			Target Pressure	Confirmed	Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Lugol's	DIC	DIC		Save sheet after printing labels:	YES
			✓																		
1	1	264	B-5		449										xxx						
2	2	265	0		3										xxx						
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): CH

Bottom Depth: 443 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	1248	
Bottom	1302	
End	1310	

Positional Information

Lat: 53 ° 22.230 N

Lon: 129 ° 11.610 W

▼

Lat: 53 ° 22.230 N

Lon: 129 ° 11.580 W

▼

Lat: 53 ° 22.230 N

Lon: 129 ° 11.580 W

Extra comments:

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2021-069

Station:

Doug31

Event #:

77

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

07 JUN 21

266

Rosette Operation

Target
PressureConfirmed
✓ Pressure

Sampler's Initials / Samples Taken

Sample Lists: Core_Samples

Comments

Save sheet after printing labels:

YES

Niskin
#Firing
#Sample
#Target
PressureConfirmed
✓ Pressure

OXY

Nut-F

Sal

Nut-C

CHL

TOC

DOC

CDOM

O18

SPC

Haki
DICIOS
DIC

1

266

B-5

✓ 301

xxx

2

3

4

267

0

✓

xxx

5

6

7

8

9

10

11

12

13

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID:

2021-069

Station:

FOC1

Event #:

81

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 07 JUNE 21

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core Samples						Haki		IOS		Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC			DIC	DIC			
1		268	B-5	✓ 370		x															
2		269	b-5	✓			x			x	x		x								
3		270	b-5	✓										xxx							
4		271	300	✓		xx															
5		272	200	✓		x															
6		273	150	✓		x															
7		274	100	✓		x															
8		275	75	✓		x															
9		276	50	✓		x															
10		277	50	✓			x			x	x		x	x							
11		278	40	✓																	
12		279	30	✓		x															
13		280	20	✓		x			x												
14		281	10	✓		x															
15		282	5	✓		xx			x												
16		283	0	✓ 2.5		x			xx												
17		284	0	✓			x			xx	xx		xx	xx							
18		285	0	✓										xxx							
19																					
20																					
21																					
22																					
23																					
24																					

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

Bottom Depth: 373 m
Transmisso Cleaned: Y N

Time UTC Local
Start 2000
Bottom 2006
End 2025

Positional Information
Start Lat: 53° 44.150' N
Lon: 129° 1.630' W

Bottom Lat: 44.230' N
Lon: 1.630' W

End Lat: 44.380' N
Lon: 1.680' W

Extra comments:

Cruise ID: 2021-069

Station: Kit1

Event #: 83

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 07 June 21

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Haki DIC	IOS DIC	Save sheet after printing labels:	
				✓													YES	
1		286	B-5	✓ 204		x	x									x		
2		287	b-5	✓										xxx				
3		288	300	✓		x										x		
4		289	200	✓		x										x		
5		290	150	✓		x										x		
6		291	100	✓		x										x		
7		292	75	✓		x										x		
8		293	50	✓		xx										x		
9		294	40	✓		x										x		
10		295	30	✓		missed										x		
11		296	20	✓		xx			x							x		
12		297	10	✓		x										x		
13		298	5	✓		x			x							x		
14		299	0	✓ 2.4		x			xx							x		
15		300	0	✓										xxx				
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 208 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	2304	1604
Bottom	2307	1607
End	2320	1620

Positional Information

Lat: 53 ° 56.278 N

Lon: 128 ° 41.264 W

Lat: ° 56.287 N

Lon: ° 41.274 W

Lat: ° 56.370 N

Lon: ° 41.359 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-069

Station:

Doug6

Event #:

85

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

08 JUN 21

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments		
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Haki DIC	IOS DIC	Save sheet after printing labels: YES
				✓													
1		301	B-5	✓ 253										xxx			
2		302	0	✓ 2.5										xxx			
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): SP

Bottom Depth: 256 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0115	1815
Bottom	0119	1819
End	0125	1825

Positional Information

Start Lat: 53 ° 54.150 N

Start Lon: 128 ° 44.140 W

Bottom Lat: ° 54.120 N

Bottom Lon: ° 44.140 W

End Lat: ° 54.090 N

End Lon: ° 44.130 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments		
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Haki DIC	IOS DIC	Save sheet after printing labels: YES
1	1	303	B-5	324		x											
2	2	304	b-5				x			x	x	x	x				
3	3	305	b-5	325										xxx			
4	4	306	300	300		x											
5	5	307	200	200		x											
6	6	308	150	150		x											
7	7	309	100	100		x											
8	8	310	75	75		x											
9	9	311	50	50		xx											
10	10	312	50	50			x			x	x	x	x				
11	11	313	40	40													
12	12	314	30	30		x											
13	13	315	20	20		xx			x								
14	14	316	10	10		x											
15	15	317	5	5		x			x								
16	16	318	0	2.5		x			xx								
17	17	319	0	2.5			x			xx	xx	x	x				
18	18	320	0	2.5										xxx			
19																	
20																	
21																	
22																	
23																	
24																	

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

Watchkeeper(s): OH

Bottom Depth: 329 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 0249

Bottom 0258

End 0319

Positional Information

Start Lat: 53 ° 49.780 N Lon: 128 ° 49.240 W

Bottom Lat: 53 ° 49.780 N Lon: 128 ° 49.270 W

End Lat: 53 ° 49.780 N Lon: 128 ° 49.310 W

Extra comments:

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2021-069

Station:

CHAT2

Event #:

102

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 08 JUN 21

Niskin #		Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists: Core_Samples				Comments	
				Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Haki DIC	IOS DIC	Save sheet after printing labels: YES			
1			321	B-5	✓ 194	x	x														
2			322	b-5	✓			x				x	x	x	x						
3			323	b-5	✓						x		x		x						
4			324	150	✓	x	x								xxx						
5			325	100	✓	x	x														
6			326	75	✓	x	x														
7			327	50	✓	x	xx	x													
8			328	50	✓			x				x	x	x	x		xx				
9			329	30	✓	x	x	x													
10			330	20	✓	x	xx			x							xx				
11			331	10	✓	xx	x														
12			332	5	✓	x	x			x											
13			333	0	✓ 2.8	x	x			xx											
14			334	0	✓			x			xx	xx	x	x							
15			335	0	✓																
16			336	40	✓	x	x	x							xxx						
17																	xx				
18																					
19																					
20																					
21																					
22																					
23																					
24																					

Version: 4MAR2021

Transmissometer to be cleaned before each cast, do not use Ammonia products

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

Bottom Depth: 197 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2311	1611
Bottom	2315	1615
End		

Positional Information

Start	Lat:	54 ° 15.830 N
	Lon:	130 ° 46.870 W

Bottom

Lat:	° 15.860 N
Lon:	° 46.880 W

End

Lat:	° N
Lon:	° W

Extra comments:
bottles fired
out of order
(#16)

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments		
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Haki DIC	IOS DIC	Save sheet after printing labels: YES
1		337	B-5	✓ 119	x	x											
2		338	b-5	✓			x			x	x	x	x				
3		339	b-5	✓										xxx			
4		340	100	✓		x	x										
5		341	75	✓		x	xx										
6		342	50	✓		xx	x										
7		343	50	✓				x		x	x	x	x				
8		344	30	✓		x	x										
9		345	20	✓		x	x		xx								
10		346	10	✓		x	x										
11		347	5	✓		x	x		x								
12		348	0	✓ 12.7		x	x		x								
13		349	0	✓				x		xx	xx	x	x				
14		350	0	✓										xxx			
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 123 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	0037	1737
Bottom	0039	1739
End	0048	1748

Positional Information

Start

Lat: 54 ° 11.840 N

Lon: 130 ° 39.262 W

Bottom

Lat: ° 11.830 N

Lon: ° 127.0 W

End

Lat: ° 11.831 N

Lon: ° 39.275 W

Extra comments:

Cruise ID: 2021-069

Station: MP55

Event #: 104

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 09 JUN

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments		
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Haki	IOS	Save sheet after printing labels: YES
				✓											DIC	DIC	
1	1	351	B-5	103		x											
2	2	352	b-5	104			x			x	x	x	x				
3	3	353	b-5	104										xxx			
4	4	354	75	74		x											
5	5	355	50	50		x											
6	6	356	50	50			x			x	x	x	x				
7	7	357	30	30		xx											
8	8	358	20	20		x			x								
9	9	359	10	10		x											
10	10	360	5	5		x			xx								
11	11	361	0	2.5		x			x								
12	12	362	0	2.5			x			xx	xx	x	x				
13	13	363	0	2.5										xxx			
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 107 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	0219	
Bottom	0223	
End	0233	

Positional Information

Start

Lat: 54 ° 04.150 N

Lon: 130 ° 16.190 W

Bottom

Lat: 54 ° 04.160 N

Lon: 130 ° 16.200 W

End

Lat: 54 ° 04.140 N

Lon: 130 ° 16.290 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples							Comments		
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC		Haki DIC	IOS DIC	Save sheet after printing labels: YES	
				✓															
1	1	364	B-5	127		x													
2	2	365	b-5	127			x			x	x	x	x						
3	3	366	b-5	127										xxx					
4	4	367	100	100		x													
5	5	368	75	75		x													
6	6	369	50	50		xx													
7	7	370	50	50			x			x	x	x	x						
8	8	371	40	40															
9	9	372	30	30		x													
10	10	373	20	20		xx			x										
11	11	374	10	10		x													
12	12	375	5	5		x			x										
13	13	376	0	2.6		x			xx										
14	14	377	0	2.6			x			xx	xx	x	x						
15	15	378	0	2.6										xxx					
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 130 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0319	
Bottom	0323	
End	0336	

Positional Information

Start

Lat: 53 ° 59.500 N

Lon: 130 ° 12.760 W

Bottom

Lat: 53 ° 59.520 N

Lon: 130 ° 12.760 W

End

Lat: 53 ° 59.510 N

Lon: 130 ° 12.800 W

Extra comments:



Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

UTC Date (dd|mmm|yyyy): 09 JUN 1.

Cruise ID:

2021-069

Station:

CH26

Event #:

106

Ship:

JP Tully

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): CM

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples					Haki	IOS	Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	DIC	DIC	
1	1	379	B-5	58	x	x	Y									x	
2	2	380	50	50	x	x	X									xx	
3	3	381	30	31	xx	x	X		xx							x	
4	4	382	20	20	x	xx	X		xx							x	
5	5	383	10	11	x	x	X									x	
6	6	384	5	5	x	x	X									x	
7	7	385	0	2.5	x	x	X		x								
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Bottom Depth: 61 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 0453

Bottom 0456

End 0504

Positional Information

Lat: 54 ° 08.800 N

Lon: 130 ° 21.330 W

Lat: 54 ° 8.810 N

Lon: 130 ° 21.340 W

Lat: ° N

Lon: ° W

Extra comments:

266			Rosette Operation			Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments			
Niskin #	Firing #	Sample #	Target Pressure	Confirmed		OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC		Haki	IOS	Save sheet after printing labels:
				√													Pressure	DIC	
1	1	400	B-5		35		x												
2	2	401	30		30		x												
3	3	402	20		20		x												
4	4	403	10		10		xx												
5	5	404	5		5		x												
6	6	405	0		28		x												
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): CH

Bottom Depth: 41 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0646	
Bottom	0649	
End	0655	

Positional Information

Start

Lat: 54 ° 16.340 N
Lon: 130 ° 29.060 W

Bottom

Lat: 54 ° 16.360 N
Lon: 130 ° 29.070 W

End

Lat: 54 ° 16.350 N
Lon: 130 ° 29.060 W

Extra comments:

nuts only

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-069 Station: CHAT1 Event #: 107 Ship: JP Tully UTC Date (dd|mmm|yyyy): 09 JUN

266			Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC		Haki DIC	IOS DIC	Save sheet after printing labels: YES	
1	1	386	B-5	115	x	x													
2	2	387	B-5	115			x			x	x	x	x						
3	3	388	B-5	115										xxx					
4	4	389	100	100	x	x													
5	5	390	75	75	x	x													
6	6	391	50	50	xx	x													
7	7	392	50	50			x			x	x	x	x						
8	8	393	30	30	x	xx													
9	9	394	20	20	x	x													
10	10	395	10	10	x	x													
11	11	396	5	6	x	x													
12	12	397	0	3	x	x													
13	13	398	0	3			x			xx	xx	x	x						
14	14	399	0	3										xxx					
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 119 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0549	
Bottom	0552	
End	0604	

Positional Information
Start
Lat: 54 ° 12.100 N
Lon: 130 ° 27.230 W

Bottom
Lat: 54 ° 12.100 N
Lon: 130 ° 27.290 W

End
Lat: 54 ° 12.060 N
Lon: 130 ° 27.390 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-069

Station:

CH14

Event #:

109

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 09 JUN 1.

Niskin #	Firing #	Sample #	266 Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists: Core_Samples				Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Haki DIC	IOS DIC	Save sheet after printing labels: YES	
1	1	406	b-5	134		x												
2	2	407	b-5	134			x			x	x	x	x					
3	3	408	b-5	134										xxx				
4	4	409	100	100		x												
5	5	410	75	75		x												
6	6	411	50	50		x												
7	7	412	50	50			x			x	x	x	x					
8	8	413	30	30		x			xx									
9	9	414	20	20		x												
10	10	415	10	9		x			x									
11	11	416	5	4		x			x									
12	12	417	0	3		x			x									
13	13	418	0	3			x			xx	xx	x	x	xx				
14	14	419	0	3										xxx	xxx			
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 138 m
Transmisso Cleaned: Y / N

	UTC	Local
Time		
Start	0825	
Bottom	0830	
End	0842	

Positional Information

Start	Lat: 54 ° 20.410 N	Lon: 130 ° 49.710 W
Bottom	Lat: 54 ° 20.410 N	Lon: 130 ° 49.650 W
End	Lat: 54 ° 20.400 N	Lon: 130 ° 49.620 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-069

Station:

CH16

Event #:

110

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 09 JUN 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists: Core Samples				Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Haki DIC	IOS DIC				
1	1	420	b-5	209	x	x	xx													
2	2	421	b-5	209			x										x			
3	3	422	b-5	209						x	x	x	x							
4	4	423	150	151	x	x	x							xxx						
5	5	424	100	100	x	x	x										x			
6	6	425	75	75	xx	x	x										x			
7	7	426	50	50	x	x	x										xx			
8	8	427	50	50			x										x			
9	9	428	30	30	x	xx	x			x	x	x	x							
10	10	429	20	20	x	x	x		xx								x			
11	11	430	10	10	x	x	x										x			
12	12	431	5	5	x	x	x			x							x			
13	13	432	0	3	x	x	x			x							x			
14	14	433	0	3			x										x			
15	15	434	0	3						xx	xx	x	x							
16														xxx	xxx					
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

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

Bottom Depth: 218 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0937	
Bottom	0943	
End	0957	

Positional Information

Start	Lat: 54 ° 19.880 N
Start	Lon: 130 ° 37.520 W

Bottom

Bottom	Lat: 54 ° 19.890 N
Bottom	Lon: 130 ° 37.600 W

End

End	Lat: 54 ° 19.963 N
End	Lon: 130 ° 37.691 W

Extra comments:

Cruise ID: 2021-069

Station: CH13

Event #: 111

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 09 JUN

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments	
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC		Haki DIC	IOS DIC	Save sheet after printing labels: YES
1	1	435	b-5	155		x												
2	2	436	150	151		x												
3	3	437	100	100		x												
4	4	438	75	75		x												
5	5	439	50	50		xx												
6	6	440	30	30		x												
7	7	441	20	21		x												
8	8	442	10	11		x												
9	9	443	5	6		x												
10	10	444	0	3		x												
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 158 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1043	
Bottom	1048	
End	1102	

Positional Information

Start

Lat: 54 ° 23.070 N

Lon: 130 ° 38.950 W

Bottom

Lat: 54 ° 23.070 N

Lon: 130 ° 38.970 W

End

Lat: 54 ° 23 070 N

Lon: 130 ° 38 970 W

Extra comments:

			266	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples					Comments			
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure		OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC		Haki DIC	IOS DIC	Save sheet after printing labels: YES
1		445	b-5	✓ 81.3			x												
2		446	50	✓			x												
3		447	30	✓			x												
4		448	20	✓			x												
5		449	10	✓			xx												
6		450	5	✓			x												
7		451	0				x												
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Version: 4MAD2004

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CW

Bottom Depth: 85 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1141	0441
Bottom	1142	0442
End	1150	0450

Positional Information

Start

Lat: 54 ° 26.80 N

Lon: 130 ° 39.125 W

Bottom

Lat: 54 ° 26 802 N

Lon: 130 ° 39.125 W

End

Lat: 54 ° 26 810 N

Lon: 130 ° 39 20 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples							Comments	
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC		Haki DIC	IOS DIC	Save sheet after printing labels: YES
1	1	452	b-5	127		x												
2	2	453	b-5	127			x			x	x	x	x					
3	3	454	b-5	127										xxx				
4	4	455	100	100		x												
5	5	456	75	75		x												
6	6	457	50	50		xx												
7	7	458	50	50			x			x	x	x	x					
8	8	459	30	30		x			x									
9	9	460	20	20		x												
10	10	461	10	10		x												
11	11	462	5	5		x			x									
12	12	463	0	3		x			xx									
13	13	464	0	3			x			xx	xx	x	x					
14	14	465	0	3										xxx				
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 130 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1223	
Bottom	1227	
End	1239	

Positional Information

Lat: 54 ° 26.900 N

Lon: 130 ° 33.020 W

Lat: 54 ° 26.900 N

Lon: 130 ° 33.020 W

Lat: 54 ° 26.920 N

Lon: 130 ° 33.020 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments		
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Haki DIC	IOS DIC	Save sheet after printing labels: YES
1	1	466	b-5	137		x											
2	2	467	b-5	138			x			x	x	x	x				
3	3	468	b-5	138										xxx			
4	4	469	300	138		x											
5	5	470	250	138		x											
6	6	471	200	138		xx											
7		472	100			x											
8		473	75			x											
9		474	50			x											
10		475	50				x			x	x	x	x				
11		476	30			x											
12		477	20			xx			x								
13		478	10			x											
14		479	5			x			xx								
15		480	0	2.6		x			x								
16		481	0				x			xx	xx	x	x				
17		482	0											xxx			
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): ail

Bottom Depth: 142 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1334	
Bottom	1337	
End	1349	

Positional Information

Start

Lat: 54 ° 33.690 N

Lon: 130 ° 37.697 W

Bottom

Lat: 54 ° 33.700 N

Lon: 130 ° 37.690 W

End

Lat: ° 33.700 N

Lon: ° 39.710 W

Extra comments:

			266	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples							Comments		
Niskin #	Firing #	Sample #	Target	Confirmed		OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC		Haki	IOS	Save sheet after printing labels:	
			Pressure	✓	Pressure												DIC	DIC		YES
1		483	b-5	✓	157	x	x	x										x		
2		484	b-5	✓				x			x	x	x	x						
3		485	b-5	✓											xxx					
4		486	100	✓		x	x	x										x		
5		487	75	✓		x	x	x										x		
6		488	50	✓		x	x	x										x		
7		489	50	✓				x			x	x	x	x						
8		490	30	✓		xx	x	x										x		
9		491	20	✓		x	x	x		x								xx		
10		492	10	✓		x	x	x		x								x		
11		493	5	✓		x	x	x										x		
12		494	0	✓	2.4	x	x	x		xx								x		
13		495	0	✓				x			xx	xx	x	x	x					
14		496	0	✓												xxx				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 161 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	1453	
Bottom	1456	
End	1507	

Positional Information

Lat: 54 ° 31.610 N

Lon: 130 ° 32.530 W

Start

Lat: ° 31.610 N

Lon: ° 32.510 W

Bottom

Lat: ° 31.590 N

Lon: ° 32.980 W

End

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-069

Station: PI01

Event #: 118

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 09 JUN 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists: Core_Samples				Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC	Haki	IOS				
				✓													DIC	DIC		
1		497	b-5	✓	526		x												Save sheet after printing labels: YES	
2		498	b-5	✓				x			x	x	x	x						
3		499	b-5	✓																
4		500	500	✓			x								xxx					
5		501	400	✓			x													
6		502	300	✓			x													
7		503	250	✓			x													
8		504	200	✓			xx													
9		505	100	✓			x													
10		506	75	✓			x													
11		507	50	✓			x													
12		508	50	✓				x			x	x	x	x						
13		509	30	✓			x													
14		510	20	✓			xx			x										
15		511	10	✓			x													
16		512	5	✓			x			xx										
17		513	0	✓			x			x										
18		514	0	✓				x			xx	xx	x	x						
19		515	0	✓											xxx					
20																				
21																				
22																				
23																				
24																				

Version: 4MAR2021

Transmissometer to be cleaned before each use.

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

Bottom Depth: 504 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1713	
Bottom	1722	
End	1742	

Positional Information
Start
Lat: 54 ° 40.520 N
Lon: 130 ° 28.300 W

Bottom
Lat: ° 40.580 N
Lon: ° 28.380 W

End
Lat: ° 40.600 N
Lon: ° 28.410 W

Extra comments:

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-069

Station: CH02

Event #: 119

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 09 Jun / 21

			266	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments								
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure		OXY	Nut-F	Sal	Nut-C	CHL	TOC	DOC	CDOM	O18	SPC		Haki DIC	IOS DIC	Save sheet after printing labels: YES					
				✓																				
1		516	b-5	✓ 304			x																	
2		517	b-5	✓ 304				x			x	x	x	x										
3		518	b-5	✓ 304											xxx									
4		519	300	✓			x	NOT FIRED																
5		520	250	✓			x																	
6		521	200	✓			xx																	
7		522	100	✓			x																	
8		523	75	✓			x																	
9		524	50	✓			x																	
10		525	50	✓				x			x	x	x	x										
11		526	30	✓			x																	
12		527	20	✓			xx			x														
13		528	10	✓			x																	
14		529	5	✓			x			xx														
15		530	0	✓ 2.8			x			x														
16		531	0	✓				x			xx	xx	x	x										
17		532	0	✓											xxx									
18																								
19																								
20																								
21																								
22																								
23																								
24																								

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

Bottom Depth: 308 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1830	
Bottom	1835	
End	1850	

Positional Information
Start
Lat: 54 ° 39.822 N
Lon: 130 ° 38.285 W

Bottom
Lat: ° 39.817 N
Lon: ° 38.306 W

End
Lat: ° 39.800 N
Lon: ° 38.324 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-069 Station: HECS8 Event #: 124 126 Ship: JP Tully UTC Date (dd|mmm|yyyy): 10 | 06 | 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: All_Samples							Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	DIC	Phyto	SPC				
			✓																
1	1	534	b-5	✓	117		x												
2	2	535	b-5	✓	1			x		x	x	x	x						
3	3	536	b-5	✓	1										xxx				
4	4	537	75	✓	75		x												
5	5	538	50	✓	50		x												
6	6	539	50	✓	1			x		x	x	x	x						
7	7	540	30	✓	30		xx												
8	8	541	20	✓	20		x		x										
9	9	542	10	✓	10		x		x										
10	10	543	5	✓	5		x		x										
11	11	544	0	✓	3		x		xx										
12	12	545	0	✓	3			x		x	x	x	x						
13	13	546	0	✓	3										xxx				
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 120 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0147	
Bottom	0152	
End	0201	

Positional Information

Start	Lat:	54 ° 23 310	N
	Lon:	131 ° 05 560	W

Bottom

	Lat:	54 ° 23 350	N
	Lon:	131 ° 05 620	W

End

	Lat:	54 ° 23 390	N
	Lon:	131 ° 5 640	W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-069

Station: MT05

Event #: 141 142

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 10 | 06 | 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists: All_Samples						Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	DIC	Phyto	SPC				
1		547	b-5	✓ 262	x	x													
2		548	b-5	✓ 262			x		x	x	x	x							
3		549	b-5	✓ 262															
4		550	200	200	x	x									xxx				
5		551	150	150	x	x													
6		552	100	100	x	xx													
7		553	75	75	x	x													
8		554	50	50	xx	x													
9		555	50	50			x		x	x	x	x							
10		556	30	30	x	xx													
11		557	20	20	x	x		x											
12		558	10	10	xx	x		xx											
13		559	5	5	x	x		x											
14		560	0	3	x	x		x											
15		561	0	3			x		xx	xx	xx	x							
16		562	0	3											xxx				
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Version: 28May2020

Transmissometer to be cleaned before each cast, do not reuse

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

Bottom Depth: 265 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1933	
Bottom		
End		

Positional Information

Lat:	52 ° 40.603	N
Lon:	°	W

▼

Lat:	°	N
Lon:	°	W

▼

Lat:	°	N
Lon:	°	W

Extra comments:
Super mini with DO

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-069

Station: MT08B

Event #: 145

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 11 JUN 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: All_Samples							Comments
			Target Pressure	Confirmed	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	DIC	Phyto	SPC				
			✓	Pressure															
1		563	b-5	✓	500		x												
2		564	b-5	✓				x		x	x	x	x						
3		565	b-5	✓												xxx			
4		566	400	✓			x												
5		567	300	✓			x												
6		568	200	✓			x												
7		569	150	✓			x												
8		570	100	✓			xx												
9		571	75	✓			x												
10		572	50	✓			x												
11		573	50	✓				x		x	x	x	x						
12		574	30	✓			xx												
13		575	20	✓			x		x										
14		576	10	✓			x		xx										
15		577	5	✓			x		x										
16		578	0	✓	3		x		x										
17		579	0	✓				x		xx	xx	xx	x						
18		580	0	✓												xxx			
19																			
20																			
21																			
22																			
23																			
24																			

Version: 28-May-2020

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

Bottom Depth: 502 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0015	
Bottom	0024	
End	0041	

Positional Information
Start
Lat: 52 ° 14.030 N
Lon: 130 ° 11.410 W

Bottom
Lat: ° 14.010 N
Lon: ° 11.270 W

End
Lat: ° 13.950 N
Lon: ° 11.040 W

Extra comments:
Super mini with DO

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2021-069

Station:

MT11B

Event #:

148

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 11 JUN 2021

Cruise ID:			2021-069	Station:	M111B	Event #:	148	Ship:	USFV									
Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: All_Samples					Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	DIC	Phyto	SPC	Nut-C		
1	1	581	b-5	986	x								x			x		
2	2	582	b-5				x		x	x	x	x						DIC for HAKI
3	3	583	b-5												xxx			
4	4	584	b-10	982			x											
5	5	585	750	750	x								x			x		
6	6	586	500	500	x	x							x					
7	7	587	400	400	x	x												
8	8	588	300	300	x	x							x					
9	9	589	250	249	xx	x												
10	10	590	200	200	x	x							x					
11	11	591	150	151	x	xx												
12	12	592	100	101	x	x							x					
13	13	593	75	76	x	x							xx					
14	14	594	50	50	x	x							x					
15	15	595	50	50			x		x	x	x	x						
16	16	596	30	31	x	x							x					
17	17	597	20	21	x	x		x					x					
18	18	598	10	10	x	x		xx					x					
19	19	599	5	4.3	x	x												
20	20	600	0	4.6	x	x		x					x					
21	21	601	0	5			x		xx	xx	x	x						
22	22	602	0	5											xxx			
23																		
24																		

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 991 m

Transmisso Cleaned: Y / N

Time UTC Local

Start	0527	
Bottom	0545	
End	0618	

Positional Information

Start	Lat: 51 ° 42.053 N	
	Lon: 130 ° 33.250 W	

Bottom	Lat: 51 ° 42.070 N	
	Lon: 130 ° 33.500 W	

End	Lat: 51 ° 42.103 N	
	Lon: 130 ° 33.438 W	

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: All_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	DIC	Phyto	SPC	DIC		
1	1	603	b-5	✓	152		x									x		Hakai DIC
2	2	604	100	✓	100		x									x		
3	3	605	75	✓	75		x									x		
4	4	606	50	✓	50		x									x		
5	5	607	30	✓	30		x									x		
6	6	608	20	✓	20		x									x		
7	7	609	10	✓	10		x									x		
8	8	610	5	✓	5		x									x		
9	9	611	0	✓	3		x									x		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): 49

Bottom Depth: 152 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 2058

Bottom 2100

End 2109

Positional Information

Start Lat: 51° 0 000 N
Lon: 127° 49 970 W

Bottom Lat: 50° 59 920 N
Lon: 127° 49 940 W

End Lat: 50° 59 920 N
Lon: 127° 48 830 W

Extra comments:

Super mini with DO.

BPV280X-11

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists: All_Samples				Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	Q18	DIC	Phyto	SPC	DIC	
1		613	b-5	✓ 212	x	x										x	Hakai DIC
2		614	b-5	✓			x		x	x	x	x					
3		615	b-5	✓		x									xxx		
4		616	200	✓	x	xx										x	
5		617	150	✓	x	x										x	
6		618	100	✓	x	x										x	
7		619	75	✓	x	x										x	
8		620	50	✓	xx	x										x	
9		621	50	✓			x		x	x	x	x					
10		622	30	✓		x	x									x	
11		623	20	✓		x	x		x							x	
12		624	10	✓		x	x		x							x	
13		625	5	✓		x	x		x							x	
14		626	0	✓ 3											xxx		
15		627	0	✓			x		x	x	x	x					
16		628	0	✓		x	x		x							x	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 216 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0006	
Bottom	0010	
End	0022	

Positional Information

Lat: 50° 43.790 N

Lon: 127° 15.110 W

▼

Lat: ° N

Lon: ° W

▼

Lat: ° N

Lon: ° W

Extra comments:

Super mini with DO