

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

A1

Event #:

5

Ship:

JP Tully

UTC Date (dd mmm yyyy): 17 JUL 2020

Event #:		Ship: JP Tully		UTC Date (dd													
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	HPLC	SPC	Phyto		
1	1	1	b-5	✓ 455 480			x							xxx			
2	2	2	0	✓ 2										xxx			
3	3	3	0	✓ 2		x		xx	x	x	x	x		xxx			
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Version: 28May2020

Transmissometer to be cleaned before each cast, do not use detergent

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 456 m

Transmissio Cleaned: Y / N

Time UTC Local

Start 17 01 10 01

Bottom 17 09 10 09

End 17 18 10 18

Positional Information

Lat: 48 ° 32.220 N

Lon: 126 ° 11.430 W

Lat: 48 ° 32.266 N

Lon: 126 ° 11.392 W

Lat: 48 ° 32.273 N

Lon: 126 ° 11.380 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-069 Station: E01 Event #: 8 Ship: JP Tully UTC Date (dd|mmm|yyyy): 18 JUL 2020

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			
			✓															
1		4	30	✓	30.8		x								xxx			
2		5	0	✓			xx		x	x	x	x	x					
3		6	0	✓											xxx			
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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12																		
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16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 100 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	0135	1835
Bottom	0136	1836
End	0140	1840

Positional Information

Lat:	49 ° 17.294 N
Lon:	126 ° 36.082 W

▼

Lat:	49 ° 17.298 N
Lon:	126 ° 36.078 W

▼

Lat:	49 ° 17.299 N
Lon:	126 ° 36.078 W

Extra comments:

Water Properties Group

Cruise ID: 2020-069

Program STN List: All Stns

Station: BP1

Sampling Log

Event #: 10

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

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 18 JUL 2020

Cruise ID:			2020-069	Station:	BP1	Event #:	10	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				
1	1	7	b-5	✓	100											xxx			
2	2	8	b-5	✓	100		x												
3	3	9	75	✓	75		x			x	x	x	x						
4	4	10	50	✓	50		x												
5	5	11	30	✓	30		x												
6	6	12	20	✓			x		x										
7	7	13	10	✓			x		x										
8	8	14	5	✓			x		xx										
9	9	15	0	✓			x		x										
10	10	16	0	✓				x		xx	x	x	x			xxx			
11	11	17	0	✓															
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Must be cleaned before each cast. do not use Ammonia products

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

Bottom Depth: 104 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1410	0710
Bottom	1412	0712
End	1423	0723

Positional Information

Lat:	50 ° 3 600 N
Lon:	127 ° 53 420 W

Bottom

Lat:	50 ° 3 600 N
Lon:	127 ° 53 420 W

End

Lat:	50 ° 3 640 N
Lon:	127 ° 53 360 W

Extra comments:

Cruise ID: 2020-069

Station: GBS-04

Event #: 20

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 19 Jul 2020

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	18	b-5	✓	56	x	x											
2	2	19	30	✓		x	x											
3	3	20	20	✓		xx	x	x										
4	4	21	10	✓		x	xx	x										
5	5	22	5	✓		x	x	xx										
6	6	23	0	✓		x	x	x										
7																		
8																		
9																		
10																		
11																		
12																		
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19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 60 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0139	1839
Bottom	0140	1840
End	1047	1847

Positional Information

Start

Lat: 50 ° 57 280 N

Lon: 128 ° 23 780 W

Bottom

Lat: 50 ° 57 770 N

Lon: 128 ° 23 780 W

End

Lat: 50 ° 57 250 N

Lon: 128 ° 23 750 W

Extra comments:

Water Properties Group

Program
STN List: All Stns
Station: CPEI

Sampling Log

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

Cruise ID: 2020-069

Event #: 22

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 19 | 07 | 2020

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	24	b-5	140	xx	x											
2	2	25	100	100	x	x											
3	3	26	75	75	x	x											
4	4	27	50	50	x	xx											
5	5	28	30	30	x	x											
6	6	29	20	20	x	x		x									
7	7	30	10	10	x	x		xx									
8	8	31	5	4.8	x	x		x									
9	9	32	0	2	x	x		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): CH

Bottom Depth: 141 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	05:05	
Bottom	05:09	
End	05:22	

Positional Information
Start
Lat: 51 ° 0.130 N
Lon: 127 ° 49.880 W

Bottom
Lat: 51 ° 0.080 N
Lon: 127 ° 49.850 W

End
Lat: 51 ° 0.060 N
Lon: 127 ° 49.780 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-069

Station: LBA

Event #: 27

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 19 JUL 2020

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	33	0-5	✓	435													
2	2	34	0	✓	2.2												xxx	
3	3	35	0	✓	2.0				xx	x	x	x	x				xxx	
4																		
5																		
6																		
7																		
8																		
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19																		
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21																		
22																		
23																		
24																		

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

Bottom Depth: 436 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1839	1139
Bottom	1847	1147
End	1855	1155

Positional Information

Start	Lat: 50 ° 55.100 N
	Lon: 127 ° 40.00 W

Bottom

Lat: 50 ° 55.100 N
Lon: 127 ° 39.870 W

End

Lat: 50 ° 55.100 N
Lon: 127 ° 39.750 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-069

Station: LBB

Event #: 29

Ship: JP Tully

UTC Date (dd/mm/yyyy): 20/01/2020

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	1	36	B-5															
2	2	37	0		2											xxx		
3	3	38	0		2				xx	x	x	x	x			xxx		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
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17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Version: 28May2020

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

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

Bottom Depth: 342 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0158	
Bottom	0208	
End	0216	

Positional Information
Start
Lat: 50 ° 50.54 N
Lon: 127 ° 43.190 W

Bottom
Lat: 50 ° 50.42 N
Lon: 127 ° 43.180 W

End
Lat: 50 ° 50.49 N
Lon: 127 ° 43.180 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	All_Samples		SPC			
				✓										DIC	Phyto				
1	1	39	b-5		191	x	x												
2	2	40	b-5		191			x		x	x	x							
3	3	41	b-5		192											xxx			
4	4	42	150		151	x	x												
5	5	43	100		100	xx	x												
6	6	44	75		75	x	x												
7	7	45	50		51	x	xx												
8	8	46	50		51			x		x	x	x	x						
9	9	47	30		30	x	x												
10	10	48	20		20	x	x		x										
11	10	49	10		10	x	x		xx										
12	12	50	5		5	x	x		x										
13	13	51	0		3	x	x		x										
14	14	52	0		2			x		xx	xx	x	x						
15	15	53	0		2											xxx			
16																			
17																			
18																			
19																			
20																			
21																			

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 195 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 0731

Bottom

End 0957

Positional Information

Start Lat: 51 ° 12.420 N
Lon: 128 ° 27.943 W

Bottom Lat: ° N
Lon: ° W

End Lat: 51 ° 12.397 N
Lon: 128 ° 28.061 W

Extra comments:
Super mini with DO ✓

Water Properties Group

Cruise ID:

2020-069

Program
STN List:

All_Stns

Station:

CS06

Sampling Log

Event #:

34

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

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 20|07|2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken	Sample Lists:										Comments	
			Target Pressure	Confirmed Pressure		OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	DIC	Phyto		SPC
1	1	54	b-5		60	x	x										
2	2	55	b-5		60												
3	3	56	b-5		59			x		x	x	x					
4	4	57	50		50	x	x										
5	5	58	50		49			x		x	x	x			xxx		
6	6	59	30		30	xx	X										
7	7	60	20		20	x	x		X								
8	8	61	10		10	x	x		xx								
9	9	62	5		5.5	X	xx		X								
10	10	63	0		2	x	x		X								
11	11	64	0		2												
12	12	65	0		2			x		x	x	x	x				
13																	
14															xxx		
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Version: 28May2020

Transmissometer to be cleaned before each cast, do not use

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

Bottom Depth: 65 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	11:11	
Bottom	11:16	
End	11:26	

Positional Information

Start	Lat: 50 ° 59.986 N	Lon: 128 ° 50.086 W
Bottom	Lat: ° 59.986 N	Lon: ° 50.086 W
End	Lat: ° 59.970 N	Lon: ° 50.237 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: 2020-069

Station: CI06

Event #: 39

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 20|Jul|2020

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	68	b-5	✓	844	x	x											
2	2	69	750	✓		x	x											
3	3	70	500	✓		x	xx											
4	4	71	400	✓		x	x											
5	5	72	300	✓		x	x											
6	6	73	250	✓		xx	x											
7	7	74	200	✓		x	x											
8	8	75	150	✓		x	x											
9	9	76	100	✓		x	x											
10	10	77	75	✓		x	x											
11	11	78	50	✓		x	xx											
12	12	79	30	✓		xx	x											
13	13	80	20	✓		x	x		x									
14	14	81	10	✓		x	x		x									
15	15	82	5	✓		x	x		xx									
16	16	83	0	✓		x	x		x									
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 844 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2007	1307
Bottom	2021	1321
End	2051	1351

Positional Information

Lat:	51 ° 2.030	N
Lon:	129 ° 37.780	W

Start

Lat:	51 ° 1.980	N
Lon:	129 ° 37.760	W

Bottom

Lat:	51 ° 1.890	N
Lon:	129 ° 37.770	W

End

Extra comments:
Super mini with DO

Cruise ID: 2020-069

Station: CI08

Event #: 42

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 20|JUL|2020

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	✓ Pressure															
1	1	84	b-5	✓	2092	x	x												
2	2	85	b-5	✓	2092			x	x	x	x	x							
3	3	86	b-5	✓	2092										xxx				
4	4	87	1500	✓	1500	x	xx												
5	5	88	1000	✓	1000	x	x												
6	6	89	750	✓	750	xx	x												
7	7	90	500	✓	500	x	x												
8	8	91	400	✓	400	x	x												
9	9	92	300	✓	300	x	x												
10	10	93	250	✓	250	x	x												
11	11	94	200	✓	200	x	x												
12	12	95	150	✓	150	x	x								xxx				
13	13	96	100	✓	100	xx	x												
14	14	97	75	✓	75	x	x												
15	15	98	50	✓	50	x	xx												
16	16	99	50	✓	50			x	x	x	x	x							
17	17	100	30	✓	30	x	x												
18	18	101	20	✓	20	x	x		x										
19	19	102	10	✓	10	x	x		x										
20	20	103	5	✓	5	x	x		xx										
21	21	104	0	✓	1.9	x	x		x										
22	22	105	0	✓	1.9			x	xx	xx	xx	x							
23	23	106	0	✓	1.9										xxx				
24	24				1.9													No Sample Taken	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 2068 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2351	1651
Bottom	0025	1725
End	0118	1825

Positional Information

Lat: 50 ° 53.299 N

Lon: 129 ° 52.223 W

Lat: 50 ° 53.270 N

Lon: 129 ° 52.240 W

Lat: 50 ° 53.280 N

Lon: 129 ° 52.475 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: 2020-069 Station: CS01 Event #: 43 Ship: JP Tully UTC Date (dd|mmm|yyyy): 21|07|2020

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	107	b-5	2119													deepwater salinity ref
2	2	108	b-5	2119	x	x											
3	3	109	b-5	2119			x		x	x	x	x					
4	4	110	b-5	2119											xxx		
5	5	111	1500	1500	x	xx											
6	6	112	1000	1000	x	x											
7	7	113	750	750	xx	x											
8	8	114	500	500	x	x											
9	9	115	400	400	x	x											
10	10	116	300	300	x	x											
11	11	117	250	249	x	x											
12	12	118	200	201	x	x											
13	13	119	150	150	x	x											
14	14	120	100	100	xx	x											
15	15	121	75	75	x	x											
16	16	122	50	50	x	xx											
17	17	123	50	50			x		x	x	x	x					
18	18	124	30	30	x	x											
19	19	125	20	20	x	x		xx									
20	20	126	10	10	x	x		x									
21	21	127	5	5	x	x		x									
22	22	128	0	2	x	x		x									
23	23	129	0	2			x		xx	xx	xx	x					
24	24	130	0	2											xxx		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 2092 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	03:23	
Bottom	04:04	
End	05:00	

Positional Information

Start

Lat: 50 ° 34.990 N

Lon: 129 ° 14.519 W

Bottom

Lat: 50 ° 34.873 N

Lon: 129 ° 41.464 W

End

Lat: ° 34.942 N

Lon: ° 41.486 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:

2020-069

Station:

Scotts2

Event #:

49

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

21 JUL 2020

Rosette Operation	
Target Pressure	Confirmed Pressure
	✓

Sampler's Initials / Samples Taken

Sample Lists:

All Samples

Comments

Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	DIC	Phyto	SPC			
1	1	146	b-5	✓	284	x	x											
2	2	147	b-5	✓	284			x		x	x	x	x			xxx		
3	3	148	b-5	✓	284													
4	4	149	250	✓		x	x											
5	5	150	200	✓		xx	x											
6	6	151	150	✓		x	x											
7	7	152	100	✓		x	xx											
8	8	153	75	✓		x	x						xx					
9	9	154	50	✓		x	x											
10	10	155	50	✓				x		x	x	x		xx				
11	11	156	40	✓		x	x						xx					
12	12	157	30	✓		xx	xx											
13	13	158	20	✓		x	x		x									
14	14	159	10	✓		x	x		xx									
15	15	160	5	✓		x	x		x					x				
16	16	161	0	✓		x	x		x									
17	17	162	0	✓				x		xx	xx	x	x			xxx		
18	18	163	0	✓														
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 285 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1513	0813
Bottom	1518	0818
End	1537	0837

Positional Information
Start
Lat: 51 ° 7 426 N
Lon: 129 ° 28 426 W

Bottom
Lat: 51 ° 7 429 N
Lon: 129 ° 28 509 W

End
Lat: 51 ° 7 415 N
Lon: 129 ° 28 630 W

Extra comments:
no DICS needed.

Water Properties Group

Cruise ID: 2020-069

Program STN List: All Stns

Station: C104

Sampling Log

Event #: 5

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

Ship: JP Tully

UTC Date (dd|mm|yyyy): 21 Jul 2020

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	131	b-5	✓ 255	xx	x													
2	2	132	b-5	✓ 255			x		x	x	x	x							
3	3	133	b-5	✓ 255											xxx				
4	4	134	200	✓	x	x													
5	5	135	150	✓	xx	x													
6	6	136	100	✓	x	x													
7	7	137	75	✓	x	xx													
8	8	138	50	✓	x	x													
9	9	139	50	✓			x		x	x	x	x							
10	10	140	30	✓	x	x													
11	11	141	20	✓	x	x		x											
12	12	142	10	✓	x	x		xx											
13	13	143	5	✓	x	x		x											
14		144	0	✓ 1.6	x	x		x											
15		145	0	✓ 1.6			x		xx	xx	xx	x							
16		164-148	0	✓ 1.6											xxx				
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 259 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1934	1234
Bottom	1940	1240
End	1959	1259

Positional Information
Start
Lat: 51 ° 19.130 N
Lon: 129 ° 2.980 W

Bottom
Lat: 51 ° 19.130 N
Lon: 129 ° 2.960 W

End
Lat: 51 ° 19.110 N
Lon: 129 ° 2.930 W

Extra comments:
Super mini with DO

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	165	b-5	✓ 136	xx	x												
2	2	166	b-5	✓ 136			x		x	x	x	x						
3	3	167	b-5	✓ 136											xxx			
4	4	168	100	✓	x	x												
5	5	169	75	✓	x	x												
6	6	170	50	✓	x	x							xx					
7	7	171	50	✓			x		x	x	x	x						
8	8	172	40	✓	x	x							xx					
9	9	173	30	✓	xx	x							xx					
10	10	174	20	✓	x	xx												
11	11	175	10	✓	x	x												
12	12	176	5	✓	x	x												
13	13	177	0	1.7	x	x												
14	14	178	0	1.7			x		xx	xx	xx	xx						
15	15	179	0	1.7											xxx			
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 140 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0145	1845
Bottom	0147	1847
End	0200	1900

Positional Information

Start

Lat: 51 ° 42.570 N

Lon: 128 ° 14.380 W

Bottom

Lat: 51 ° 42.350 N

Lon: 128 ° 14.420 W

End

Lat: 51 ° 42.530 N

Lon: 128 ° 14.500 W

Extra comments:

Super mini with DO

Cruise ID: 2020-069

Station: CI01

Event #: 57

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 22 | 07 | 2020

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	180	b-5		152	xx	x											
2	2	181	b-5		151			x		x	x	x	x					
3	3	182	b-5		151										xxx			
4	4	183	100		100	x	x											
5	5	184	75		76	x	x											
6	6	185	50		51	x	x											
7	7	186	50		51			x		x	x	x	x					
8	8	187	30		30													
9	9	188	20		20	xx			xx									
10	10	189	10		11		xx		x									
11	11	190	5		5	x	x		x									
12	12	191	0		2	x	x		x									
13	13	192	0		2			x		xx	xx	x	x					
14	14	193	0		2										xxx			
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 155 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0408	
Bottom		
End		

Positional Information

Lat: 51 ° 35.722 N

Lon: 128 ° 18.113 W

Start

Bottom

Lat: ° N

Lon: ° W

End

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:

2020-069

Station:

MS01

Event #:

59

Ship:

JP Tully

UTC Date (dd mmm/yyyy):

22 07 2020

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	194	b-5	211	x	x													
2	2	195	b-5	211			x		x	x	x	x							
3	3	196	b-5	211											xxx				
4	4	197	150	151	x	x													
5	5	198	100	100	xx	x													
6	6	199	75	74	x	x													
7	7	200	50	50	x	xx													
8	8	201	50	51			x		x	x	x	x							
9	9	202	30	30	x	x													
10		203	20	20	xx	xx		x											
11		204	10	10	x	x		x											
12		205	5	5	x	x		xx											
13		206	0	3	x	x		x						x					
14		207	0	2			x		xx	xx	xx	x							
15		208	0	3											xxx				
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 215 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0927	
Bottom	0931	
End	0948	

Positional Information
Start
Lat: 52 ° 08.080 N
Lon: 128 ° 50.090 W

Bottom
Lat: ° 08.090 N
Lon: ° 50.080 W

End
Lat: ° 08.090 N
Lon: ° 50.200 W

Extra comments:
Super mini with DO

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	209	b-5	✓ 352	x	x												
2	2	210	b-5	✓ 352			x		x	x	x	x						
3	3	211	b-5	✓ 352											xxx			
4	4	212	300	✓	xx	x												
5	5	213	250	✓	x	x												
6	6	214	200	✓	x	x												
7	7	215	150	✓	x	x												
8	8	216	100	✓	x	xx												
9	9	217	75	✓	x	x												
10	10	218	50	✓	x	x												
11	11	219	50	✓			x		x	x	x	x						
12	12	220	30	✓	xx	x												
13	13	221	20	✓	x	x												
14	14	222	10	✓	x	xx												
15	15	223	5	✓	x	x												
16	16	224	0	✓	x	x												
17	17	225	0	✓			x		x	xx	x	x						
18	18	226	0	✓											xxx			
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 355 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1631	0931
Bottom	1637	0937
End	1656	0956

Positional Information

Start

Lat: 51 ° 41.550 N

Lon: 129 ° 57.450 W

Bottom

Lat: 51 ° 41.590 N

Lon: 129 ° 57.490 W

End

Lat: 51 ° 41.609 N

Lon: 129 ° 57.620 W

Extra comments:

Super mini with DO

Cruise ID: 2020-069

Station: MS08B

Event #: 68

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 22 JUL 2020

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	227	b-5	✓ 2026	x	x												
2	2	228	b-5	✓ 2026			x		x	x	x	x						
3	3	229	b-5	✓ 2026											xxx			
4	4	230	1500	✓ 1500	x	xx												
5	5	231	1000	✓ 1000	x	x												
6	6	232	750	✓	xx	x												
7	7	233	500	✓	x	x												
8	8	234	400	✓	x	x												
9	9	235	300	✓	x	x												
10	10	236	250	✓	x	x												
11	11	237	200	✓	x	x												
12	12	238	150	✓	x	x												
13	13	239	100	✓	xx	x												
14	14	240	75	✓	x	x												
15	15	241	50	✓	x	xx												
16	16	242	50	✓			x		x	x	x	x						
17	17	243	30	✓	x	x												
18	18	244	20	✓	x	x		x										
19	19	245	10	✓	x	x		x										
20	20	246	5	✓	x	x		xx										
21	21	247	0	✓ 2.5	x	x		x										
22	22	248	0	✓ 2.5			x		xx	xx	xx	x						
23	23	249	0	✓ 2.5											xxx			
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 2002 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2353	1753
Bottom	0026	
End	0115	

Positional Information

Start

Lat: 51 ° 24.484 N

Lon: 130 ° 42.593 W

Bottom

Lat: 51 ° 24.474 N

Lon: 130 ° 42.665 W

End

Lat: 51 ° 29.434 N

Lon: 130 ° 42.830 W

Extra comments:

Super mini with DO

			Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: All_Samples					Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure		OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	DIC	Phyto	SPC	Nut-C	
1	1	250	b-5		1003	x	x										x	
2	2	251	b-5					x		x	x	x	x					
3	3	252	b-5													xxx		
4	4	253	750		750	xx	x										x	
5	5	254	500		500	x	x										xx	
6	6	255	400		400	x	x										x	
7	7	256	300		300	x	x											
8	8	257	250		250	x	x											
9	9	258	200		200	x	x											
10	10	259	150		150	x	x											
11	11	260	100		100	xx	x											
12	12	261	75		75	x	x											
13	13	262	50		50	x	xx											
14	14	263	50		50			x		x	x	x	x					
15	15	264	30		30	x	x											
16	16	265	20		20	x	x		x									
17	17	266	10		10	x	x		x									
18	18	267	5		5	x	x		xx									
19	19	268	0		2	x	x		x									
20	20	269	0		2			x		xx	xx	xx	x					
21	21	270	0		2											xxx		
22																		
23																		
24																		

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

Watchkeeper(s): CH

Bottom Depth: 992 m

Transmisso Cleaned: ☒ Y ☐ N

Time UTC Local

Start 0354

Bottom 0413

End 0450

Positional Information

Start Lat: 51 ° 41.915 N
Lon: 130 ° 33.695 W

Bottom Lat: 51 ° 41.826 N
Lon: 130 ° 33.851 W

End Lat: ° 41.880 N
Lon: ° 33.751 W

Extra comments:

Supermini with DO

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		271	b-5	✓	260	x	x										
2		272	b-5	✓	260			x		x	x	x					
3		273	b-5	✓	260										xxx		
4		274	200	✓		x	x										
5		275	150	✓		x	x										
6		276	100	✓		x	xx										
7		277	75	✓		x	x										
8		278	50	✓		xx	x										
9		279	50	✓				x		x	x	x	x				
10		280	30	✓		x	xx										
11		281	20	✓		x	x		x								
12		282	10	✓		xx	x		xx								
13		283	5	✓		x	x		x								
14		284	0	✓	1.9	x	x		x								
15		285	0	✓	1.9			x		xx	xx	xx	x				
16		286	0	✓	1.9										xxx		
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Watchkeeper(s): SP

Bottom Depth: 262 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1441	0741
Bottom	1446	0746
End	1500	0800

Positional Information

Start

Lat: 52 ° 40 ' 610 N

Lon: 129 ° 59 ' 310 W

Bottom

Lat: 52 ° 40 ' 600 N

Lon: 129 ° 59 ' 330 W

End

Lat: 52 ° 40 ' 560 N

Lon: 129 ° 59 ' 320 W

Extra comments:

Super mini with DO

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		287	b-5	✓ 200	x	x												
2		288	b-5	✓ 200			x		x	x	x	x						
3		289	b-5	✓ 200											xxx			
4		290	150	✓	x	x												
5		291	100	✓	x	xx												
6		292	75	✓	x	x												
7		293	50	✓	xx	x												
8		294	50	✓			x		x	x	x	x						
9		295	30	✓	x	xx												
10		296	20	✓	x	x		x										
11		297	10	✓	xx	x		xx										
12		298	5	✓	x	x		x										
13		299	0	✓	x	x		x										
14		300	0	✓			x		xx	xx	xx	x						
15		301	0	✓											xxx			
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 202 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2035	1335
Bottom	2038	1338
End	2050	

Positional Information

Start

Lat: 53 ° 6.688 N

Lon: 130 ° 23.369 W

Bottom

Lat: 53 ° 6.709 N

Lon: 130 ° 23.342 W

End

Lat: 53 ° 6.730 N

Lon: 130 ° 23.270 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: 2020-069 Station: JPS7 Event #: 89 Ship: JP Tully UTC Date (dd|mmm|yyyy): 24|07|2020

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		302	b-5	129	x												
2		303	b-5	129			x		x	x	x	x					
3		304	b-5	129											xxx		
4	4	305	100	100	x	x											
5		306	75	75	xx	x											
6	6	307	50	50	x	xx											
7	7	308	50	50			x		x	x	x	x					
8		309	30	30	x	x											
9	9	310	20	20	x	x	x	x									
10	10	311	10	10	xx	x	xx	x									
11		312	5	5	x	xx	x	xx									
12		313	0	1.6	x	x	x	x						x			
13		314	0	1.6			x		xx	x	xx	x					
14		315	0	1.6											xxx		
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 132 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0406	
Bottom	0410	
End	0427	

Positional Information
Lat: 52 ° 33.782 N
Lon: 131 ° 05.926 W

▼
Lat: ° 33.769 N
Lon: ° 05.898 W

▼
Lat: ° 33.708 N
Lon: ° 05.789 W

Extra comments:
Super mini with D0

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	316	b-5		359	x	X											
2		317	b-5		359			x		x	x	x	x					
3		318	b-5		359											xxx		
4		319	300		300	xx	x											
5		320	250		250	x	x											
6	6	321	200		200	x	x											
7		322	150		150	x	xx											
8		323	100		100	x	x											
9	9	324	75		75	x	x											
10	10	325	50		50	x	xx											
11	11	326	50		50			x		x	x	x	x					
12		327	30		30	xx	x											
13	13	328	20		20	x	x		x									
14	14	329	10		10	x	x		x									
15		330	5		5	x	x		xx									
16		331	0		2	x	x		x						x			
17		332	0		2			x		xx	xx	x	x					
18	18	333	0		2											xxx		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 360 m

Transmisso Cleaned: (Y) N

Time UTC Local

Start 0714

Bottom 0721

End 0743

Positional Information

Lat: 52 ° 36.160 N

Lon: 131 ° 23.550 W

▼

Lat: ° 31.770 N

Lon: ° 23.640 W

▼

Lat: ° 31.120 N

Lon: ° 23.610 W

Extra comments:

Super mini with DO

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		334	b-5		137	x	x											
2		335	b-5		137			x		x	x	x	x					
3		336	b-5		137	xx	x								xxx			
4	4	337	100		100	x	x											
5	5	338	75		75	x	x											
6	6	339	50		50	x	x											
7	7	340	50		50			x		x	x	x	x					
8		341	30		30	x	xx											
9		342	20		20	xx	x		x									
10	10	343	10		10	x	x		xx									
11	11	344	5		5	x	x		x									
12		345	0		1.5	x	x		x									
13		346	0		1.5			x		xx	xx	x	x					
14	14	347	0		1.5									x	xxx			
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 141 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 1029

Bottom 1033

End 1047

Positional Information

Start Lat: 52 ° 36.280 N
Lon: 131 ° 40.140 W

Bottom Lat: ° 36.280 N
Lon: ° 40.160 W

End Lat: ° 36.268 N
Lon: ° 40.187 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: 2020-069

Station: JPN3

Event #: 103

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 24 JUL 2020

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		348	b-5	✓	122	x	x											
2		349	b-5	✓	122			x		x	x	x	x					
3		350	b-5	✓	122	xx	x									xxx		
4		351	100	✓		x	x											
5		352	75	✓		x	x											
6		353	50	✓		x	x											
7		354	50	✓				x		x	x	x	x					
8		355	30	✓		x	xx											
9		356	20	✓		xx	x		x									
10		357	10	✓		x	x		x									
11		358	5	✓		x	x		x									
12		359	0	✓		x	x		xx									
13		360	0	✓				x		xx	xx	x	x					
14		361	0	✓											x	xxx		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Version: 28May2020

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

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

Bottom Depth: 130 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1429	0729
Bottom	1432	0732
End	1446	0746

Positional Information

Lat:	52 ° 44 34 N
Lon:	131 ° 47 53 W

Bottom

Lat:	52 ° 44 33 N
Lon:	131 ° 47 53 W

End

Lat:	52 ° 44 32 N
Lon:	131 ° 47 54 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:

2020-069

Station:

Juan2

Event #:

108

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

24 JUL 2020

Cruise ID: 2020-069			Station: 04012		Sample Lists: All Samples													Comments	
Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken														
			Target Pressure	Confirmed Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	DIC	Phyto	SPC				
1	1	362	50	✓	x	x						x	xx				} for seafloor calculations		
2	2	363	40	✓	x	x						x	xx						
3	3	364	30	✓	x	x						x	xx						
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

do not use ammonia products

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

Bottom Depth: 229 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2043	1343
Bottom	2047	1348
End	2053	1353

Positional Information
Start
Lat: 52 ° 31.070 N
Lon: 131 ° 25.730 W

Bottom
Lat: 52 ° 31.050 N
Lon: 131 ° 25.710 W

End
Lat: 52 ° 31.040 N
Lon: 131 ° 25.720 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:

2020-069

Station:

HG4

Event #:

122

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

25 JUL 2020

Cruise ID:			Station:		RO4		Event:		Date:		Time:		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	Nut-C	
1		365	b-5	✓	2959									xxx			
2		366	b-10	✓	2959	x	x	x					x			x	
3		367	2000	✓		x	x						x			x	
4		368	1500	✓		x	xx						x			x	
5		369	1200	✓		x	x						x			x	
6		370	1000	✓		x	x						x			x	
7		371	900	✓		x	x						x			x	
8		372	800	✓		xx	x						x			x	
9		373	700	✓		x	x						x				
10		374	500	✓		x	x						x				
11		375	400	✓		x	x						x				
12		376	300	✓		x	x						x				
13		377	200	✓		xx	x						x				
14		378	200	✓		x	xx						x				
15		379	150	✓		x	x						x				
16		380	100	✓		x	x						xx				
17		381	75	✓		x	x					x	x				
18		382	15	✓		x	x		x			x	x				
19		383	0	✓	2.8	x	x		x			x	x				
20		384	0	✓	2.7										xxx		
21																	
22																	
23																	
24																	

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

Bottom Depth: 2909 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2247	1547
Bottom	2348	1648
End	0044	1744

Positional Information
Lat: 52 ° 33.040 N
Lon: 132 ° 41.830 W

Lat: 52 ° 33.040 N
Lon: 132 ° 41.730 W

Lat: 52 ° 33.050 N
Lon: 132 ° 41.760 W

Extra comments:
600m missed.
human error.

note: particles filtered at 15 m. Hg and not 5 m. Hg

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

HG1

Event #:

125

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 26/07/2020

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	385	b-5	1041															
2	2	386	b-10	1033	x	x									xxx				
3	3	387	300	300	x	x					x	x							
4	4	388	250	250	x	x						x							
5	5	389	200	200	xx	x													
6		390	150	150	x	x						x							
7		391	100	100	x	xx						x							
8	8	392	75	75	x	x						x							
9		393	50	50	xx	x						x							
10		394	30	30	x	x													
11		395	20	20	x	x													
12	12	396	15	15	x	x													
13		397	10	10	x	x		x			x	xx							
14		398	5	5	x	x		xx			x								
15	15	399	0	25	x	x		x			x								
16	16	400	0	2.5				x			x	x							
17															xxx				
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): CHBottom Depth: 1010 m
Transmisso Cleaned: Y N

Time	UTC	Local
Start	0545	
Bottom	0804	
End	0639	

Positional Information
Start
Lat: 52° 45.568 N
Lon: 132° 13.604 WBottom
Lat: 45.574 N
Lon: 13.579 WEnd
Lat: 45.594 N
Lon: 13.530 WExtra 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:

2020-069

Station:

NEWQ

Event #:

126

Ship:

JP Tully

UTC Date (dd/mm/yyyy):

26 07 2020

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	401	b-5												xxx			
2	2	402	0					xx							xxx			
3	3		0															
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: 164 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0752	
Bottom	0756	
End	0759	

Positional Information
Start
Lat: 52 ° 52.902 N
Lon: 192 ° 19.337 W

Bottom
Lat: ° 52.920 N
Lon: ° 19.260 W

End
Lat: ° N
Lon: ° W

Extra comments:
Super-mini with DO NO
Fired bottle 3
not used

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-069

Station: Q21

Event #: 141

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 27|07|2020

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	ROD				
1		1	403	b-5	1120		x											X				
2			404	b-5	1120			x		x	x	x	x									
3			405	b-5	1120																	
4	4		406	750	750		x									xxx						
5			407	500	500		x										X					
6	6		408	400	400		x										XX					
7			409	300	300		x															
8			410	250	250		x															
9	9		411	200	200		xx															
10	10		412	150	150		x															
11			413	100	100		x															
12			414	75	75		x															
13			415	50	50		x															
14			416	50	50			x		x	x	x	x									
15	15		417	30	30		x															
16			418	20	20		x		x													
17			419	10	10		xx		x													
18	18		420	5	5		x		xx													
19			421	0	25		x		x													
20			422	0	3			x		x	xx	x	x									
21			423	0	3																	
22																xxx						
23																						
24																						

Version: 28May2020

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

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

Bottom Depth: 1116 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0637	
Bottom	0657	
End	0735	

Positional Information

Lat:	53 ° 53.440	N
Lon:	133 ° 49.520	W

▼

Lat:	° 53.420	N
Lon:	° 49.610	W

▼

Lat:	° 53.290	N
Lon:	° 49.760	W

Extra comments:
Super mini with DO

Water Properties Group

Program
STN List: All_Sns

Sampling Log

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

Cruise ID:

2020-069

Station:

Q17

Event #:

146

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

27 | 07 | 2020

Cruise ID:			2020-069		Station:		Q17		Event #:		Ship:		of Tally		Comments		
Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: All Samples						
			Target Pressure	Confirmed Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	DIC	Phyto	SPC		
1	1	424	b-5	55		x											
2		425	b-5	55			x		x	x	x	x			xxx		
3		426	b-5	55													
4	4	427	30	30		x											
5		428	20	20		xx		x									
6	6	429	10	11		x		x									
7		430	5	5		x		xx						x			
8		431	0			x		x									
9		432	0				x		x	xx	x	x					
10		433	0											xxx			
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

5. Rinse meter to be cleaned before each cast, do not use Ammonia products

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

Bottom Depth: 58 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1143	
Bottom	1146	
End	1154	

Positional Information
Start
Lat: 54 ° 0.660 N
Lon: 133 ° 16.354 W

Bottom
Lat: ° 0.655 N
Lon: ° 16.354 W

End
Lat: ° 0.632 N
Lon: ° 16.369 W

Extra comments:
Super mini with DO ✓

			Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: All_Samples				Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	DIC	Phyto	SPC		
1		434	b-5	✓ 472		x											
2		435	b-5	✓ 472			x		x	x	x	x					
3		436	b-5	✓ 472											xxx		
4		437	300	✓		x											
5		438	250	✓		x											
6		439	200	✓		x											
7		440	150	✓		xx											
8		441	100	✓		x											
9		442	75	✓		x											
10		443	50	✓		x											
11		444	50	✓			x		x	x	x	x					
12		445	30	✓		x											
13		446	20	✓		xx		x									
14		447	10	✓		x		x									
15		448	5	✓		x		xx									
16		449	0	✓ 2.7		x		x									
17		450	0	✓ 2.7			x		x	xx	x	x					
18		451	0	✓ 2.4											xxx		
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 475 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1417	0717
Bottom	1425	0725
End	1446	0746

Positional Information

Start

Lat: 54 ° 19 170 N

Lon: 133 ° 2 250 W

Bottom

Lat: 54 ° 19 120 N

Lon: 133 ° 2 270 W

End

Lat: 54 ° 19 070 N

Lon: 133 ° 2 280 W

Extra comments:

SuperMini No DO

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-069 Station: Dix4 Event #: 148 Ship: JP Tully UTC Date (dd|mmm|yyyy): 27 JUL 20

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		452	b-5	✓ 372	x	x							x				
2		453	b-5	✓ 372			x		x	x	x	x					
3		454	b-5	✓ 372											xxx		
4		455	300	✓	x	x							x				
5		456	200	✓	xx	x							xx				
6		457	150	✓	x	xx							x				
7		458	100	✓	x	x							x				
8		459	75	✓	x	x							x				
9		460	50	✓			x		x	x	x	x					
10		461	20	✓				x									
11		462	15	✓		x	x					x	x				
12		463	10	✓				x									
13		464	5	✓				xx									
14		465	0	✓ 2.0	x	x		x				x	x				
15		466	0	✓ 2.0			x		x	xx	x	x					
16		467	0	✓ 2.0											xxx		
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Version: 28May2020

Transcript: 14 Oct 2020 14:02:00

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

Bottom Depth: 373 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1631	0931
Bottom	1637	0937
End	1653	0953

Positional Information
Start
Lat: 54° 27' 808 N
Lon: 132° 43' 830 W

Bottom
Lat: 54° 27' 836 N
Lon: 132° 43' 930 W

End
Lat: 54° 27' 815 N
Lon: 132° 43' 087 W

Extra comments:
Super Nme 00

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		468	b-5	✓	358		x											
2		469	b-5	✓	358			x		x	x	x	x					
3		470	b-5	✓	358										xxx			
4		471	300	✓	300		x											
5		472	250	✓			x											
6		473	200	✓			xx											
7		474	150	✓			x											
8		475	100	✓			x											
9		476	75	✓			x											
10		477	50	✓			x											
11		478	50	✓				x		x	x	x	x					
12		479	30	✓			x											
13		480	20	✓			x		x									
14		481	10	✓			xx		x									
15		482	5	✓			x		x									
16		483	0	✓			x		xx									
17		484	0	✓				x		x	xx	x	x					
18		485	0	✓											xxx			
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 361 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1943	1243
Bottom	1949	1249
End	2007	1307

Positional Information

Start

Lat: 54 ° 28 600 N

Lon: 132 ° 18 150 W

Bottom

Lat: 54 ° 28 600 N

Lon: 132 ° 18 230 W

End

Lat: 54 ° 28 690 N

Lon: 132 ° 18 390 W

Extra comments:

Super mini with DO

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		486	b-5	✓ 272		x												
2		487	b-5	✓ 272			x		x	x	x	x						
3		488	b-5	✓ 272		x									xxx			
4		489	250	✓		x												
5		490	200	✓		x												
6		491	150	✓		xx												
7		492	100	✓		x												
8		493	75	✓		x												
9		494	50	✓		x												
10		495	50	✓			x		x	x	x	x						
11		496	30	✓		xx												
12		497	20	✓		x		x										
13		498	10	✓		x		xx										
14		499	5	✓		x		x										
15		500	0	✓		x		x										
16		501	0	✓			x		x	x	x	x						
17		502	0	✓											xxx			
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SR

Bottom Depth: 276 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0108	1808
Bottom	0112	1812
End	0127	1827

Positional Information

Start

Lat: 54 ° 25 370 N

Lon: 131 ° 56 520 W

Bottom

Lat: 54 ° 25 360 N

Lon: 131 ° 56 480 W

End

Lat: 54 ° 25 330 N

Lon: 131 ° 56 360 W

Extra comments: 100

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:

2020-069

Station:

Dix1

Event #:

156

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

28|07|2020

Cruise ID:			2020-069	Station:	Dix1	Event #:	200	Temp:	20.0	Sal:	35.5	Depth:	1000	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		
1		503	b-5	264	x	x							x				
2		504	b-5	264			x		x	x	x	x				xxx	
3		505	b-5	265													
4	4	506	250	250	x	x											
5	5	507	200	200	xx	x							x				
6	6	508	150	150	x	xx							x				
7	7	509	100	100	x	x							xx				
8		510	75	75	x	x											
9	9	511	50	50	x	x											
10	10	512	50	50			x		x	x	x	x					
11		513	30	30	x	xx											
12	12	514	20	20	xx	x		x									
13		515	15	15	x	x		x				x	xx				
14		516	10	10	x	x		x									
15	15	517	5	5	x	x		x									
16		518	0	2	x	x		xx					x				
17		519	0	2			x		x	x	x	x					
18	18	520	0	2											xxx		
19																	
20																	
21																	
22																	
23																	
24																	

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

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

Bottom Depth: 267 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0434	
Bottom	0440	
End	0501	

Positional Information
Lat: 54 ° 25.650 N
Lon: 131 ° 30.890 W

Lat: ° 25.640 N
Lon: ° 30.910 W

Lat: ° 25.580 N
Lon: ° 31.060 W

Extra comments:
Super mini with DO

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		521	b-5	105		x												
2		522	b-5	105			x		x	x	x	x						
3	3	523	b-5	105											xxx			
4		524	75	75		x												
5	5	525	50	70		x												
6	6	526	50	50			x		x	x	x	x						
7	7	527	30	30		xx												
8		528	20	20		x		x										
9	9	529	10	10		x		x										
10	10	530	5	5		x		x										
11		531	0	2.5		x		xx										
12		532	0	2.5			x		x	x	x	x						
13	13	533	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: 108 m

Transmisso Cleaned: Y / N

	UTC	Local
Time		
Start	0718	
Bottom	0722	
End	0732	

Positional Information

Start

Lat: 54 ° 23.132 N

Lon: 131 ° 05.086 W

Bottom

Lat: 54 ° 23.132 N

Lon: ° 05.150 W

End

Lat: ° 23.170 N

Lon: ° 05.300 W

Extra comments:

Super Muu 100 DO

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		534	b-5		128		x										
2		535	b-5		128			x		x	x	x					
3	3	536	b-5		128										xxx		
4		537	100		100		x										
5	5	538	75		75		xx										
6		539	50		50		x										
7	7	540	50		50			x		x	x	x					
8		541	30		30		x										
9	9	542	20		20		x		x								
10	10	543	10		10		x		x								
11	11	544	5		5		x		xx								
12		545	0		2		x		x								
13		546	0		2			x		xx	x	x	x				
14	14	547	0		2										xxx		
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS) TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 132 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1034	
Bottom	1039	
End	1051	

Positional Information

Start

Lat: 54 ° 20.450 N

Lon: 130 ° 49.830 W

Bottom

Lat: 54 ° 20.470 N

Lon: 130 ° 49.870 W

End

Lat: 54 ° 20.540 N

Lon: 130 ° 49.920 W

Extra comments:

Superfine 100 DO

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

CH15

Event #:

162

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 28|07|2020

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	548	b-5		184		x												
2	2	549	150		150		x												
3	3	550	100		100		x												
4	4	551	75		75		x												
5		552	50		50		xx												
6		553	30		30		x												
7	7	554	20		20		x												
8	8	555	10		10		x												
9	9	556	5		5		x												
10	10	557	0		2		x												
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): CHBottom Depth: 187 m
Transmissio Cleaned: Y / N

Time	UTC	Local
Start	1203	
Bottom	1208	
End	1223	

Positional Information
Start
Lat: 54 ° 18.260 N
Lon: 130 ° 42.680 WBottom
Lat: 54 ° 18.280 N
Lon: 130 ° 42.660 WEnd
Lat: ° 18.290 N
Lon: ° 42.640 W

Extra comments:

Super mini with DO:
nuts only

Cruise ID: 2020-069

Station: CH20

Event #: 163

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 28 | 07 | 2020

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken					Sample Lists: All_Samples								Comments
			Target Pressure	Confirmed	Pressure	CHL	SAL	Nut-F	DA	Lugol									
			✓	Pressure															
1	1	558	b-5		151			x											
2	2	559	100		100			x											
3	3	560	75		75			x											
4	4	561	50		50			xx											
5		562	30		30			x											
6	6	563	20		20			x											
7		564	10		10			x											
8	8	565	5		5			x											
9	7	566	0		2			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: 155 m

Transmisso Cleaned: Y N

Time UTC Local

Start 1304

Bottom 1308

End 1319

Positional Information

Start

Lat: 54 ° 13.530 N

Lon: 130 ° 43.740 W

Bottom

Lat: ° 13.510 N

Lon: ° 43.770 W

End

Lat: ° 13.470 N

Lon: ° 43.820 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: 2020-069 Station: CHAT1

Event #: 165

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 28 JUL 20

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	SFC-DOM	SFC-EEM	SFC-DOC	SPC		
			✓															
1		614	b-5	✓	116	x	x											
2		615	b-5	✓	116			x		x	x	x	x					
3		616	b-5	✓	116												xxx	
4		617	100	✓		x	x											
5		618	100	✓				x		x	x	x	x					
6		619	75	✓		x	x											
7		620	75	✓				x		x	x	x	x					
8		621	50	✓		xx	x											
9		622	50	✓				x		x	x	x	x					
10		623	30	✓		x	xx											
11		624	30	✓				x		x	x	x	x					
12		625	20	✓		x	x		x									
13		626	20	✓				x		x	x	x	x					
14		627	10	✓		x	x		x									
15		628	10	✓				x		x	x	x	x					
16		629	5	✓		x	x		xx									
17		630	5	✓				x		x	x	x	x					
18		631	0		2	x	x		x									
19		632	0		2			x		xx	x	xx	xx					
20		633	0		2		x	x	x						x			
21		634	0		2												xxx	
22																		
23																		
24																		

Version: 28May2020

Transmissometer to be cleaned before each cast, do not use Armoria's product

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

Bottom Depth: 121 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1508	0808
Bottom	1510	0810
End	1521	0821

Positional Information
Start
Lat: 54 ° 12 050 N
Lon: 130 ° 27 140 W

Bottom
Lat: 54 ° 12 050 N
Lon: 130 ° 27 140 W

End
Lat: 54 ° 12 090 N
Lon: 130 ° 27 170 W

Extra comments:
Super Chem

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

MP55

Event #:

166

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

28 JUL 2020

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		643	b-5	✓	105		x										
2		644	b-5	✓	105			x		x	x	x	x				
3		645	b-5	✓	105										xxx		
4		646	100	✓	100		x										
5		647	75	✓	75		x										
6		648	50	✓	50		xx										
7		649	50	✓	50			x		x	x	x	x				
8		650	30	✓	30		x										
9		651	20	✓	20		x		x								
10		652	10	✓	10		x		xx								
11		653	5	✓	5		x										
12		654	0				x		x								
13		655	0					x		x	xx	xx	x				
14		656	0												xxx		
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Version: 28May2020

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

DS

Bottom Depth: 109 m

Transmisso Cleaned: Y / N

Time UTC Local

Start	1639	
Bottom	1645	
End	1655	

Positional Information

Lat: 54 ° 4.835 N
Lon: 130 ° 16.108 W

Start

Bottom

End

Lat: ° N
Lon: ° W

Lat: ° N
Lon: ° W

Extra comments:

Super Mini No 20

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-069

Station: CH27

Event #: 167

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 28 JUL 20

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	FSCDOM	SFCEEM	SFCDOC	SPC		
			✓	Pressure														
1		657	b-5	✓	48		x											
2		658	b-5	✓	48			x		x	x	x						
3		659	b-5	✓	48											xxx		
4		660	30	✓			x											
5		661	20	✓			x		x									
6		662	10	✓			x		xx									
7		663	5	✓			x		x									
8		664	0	✓			x		x									
9		665	0	✓				x		x	xx	x	x					
10		666	0	✓												xxx		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Version: 28May2020

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

Bottom Depth: 51 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1719	1019
Bottom	1720	1020
End	1726	1026

Positional Information
Start
Lat: 54° 6 600 N
Lon: 130° 16 507 W

Bottom
Lat: 54° 6 611 N
Lon: 130° 16 506 W

End
Lat: 54° 6 624 N
Lon: 130° 16 560 W

Extra comments:
NO
Super mini with DO

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	667	b-5	39		x												
2	2	668	b-5	39			x		x	x	x	x						
3	3	669	b-5	39											xxx			
4	4	670	30	31		xx												
5	5	671	20	21		x		xx										
6	6	672	10	10		x		xx										
7		673	5	5		x		xx										
8		674	0	2		x		xx										
9		675	0	2			x		x	x	x	x						
10	10	676	0	2											xxx			
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: 44 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	0231	
Bottom	0235	
End	0244	

Positional Information

Start

Lat: 54 ° 13.650 N

Lon: 130 ° 20.970 W

Bottom

Lat: ° 13.630 N

Lon: ° 20.960 W

End

Lat: ° 13.594 N

Lon: ° 20.966 W

Extra comments:

Super mini with DO NO

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-069

Station: CH23

Event #: 170

Ship: JP Tully

UTC Date (dd|mm|yyyy): 29|07|2020

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	635	b-5	94		x												
2	2	636	75	75		x												
3		637	50	50		x												
4		638	30	30		xx												
5		639	20	20		x												
6		640	10	10		x												
7		641	5	5		x												
8	8	642	0	2		x												
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: 99 m
Transmisso Cleaned: Y N

Time	UTC	Local
Start	0332	
Bottom	0335	
End	0345	

Positional Information

Start	Lat: 54 ° 11.521 N
	Lon: 130 ° 23.201 W
Bottom	Lat: ° 11.522 N
	Lon: ° 23.226 W
End	Lat: 54 ° 11.501 N
	Lon: 130 ° 23.285 W

Extra comments:
NOTS only

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Ship: IP Tully UTC Date (dd|mmm|yyyy): 29|07|2020

2020-069

Station:

CH26

Event #:

Ship: JP Tully

UTC Date (dd mmm yyyy): 27 07 2000

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

Bottom Depth:	64	m
Transmisso Cleaned:	Y	N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	0423	
Bottom		
End	0434	

Positional Information

Lat:	54	°	8.750	N
Lon:	130	°	21.340	W

Bottom

Lat:	o	N
Lon:	o	W

End	Lat:	◦ 08.740	N
	Lon:	◦ 21.46	W

Extra comments:
~~Super mini with DO~~
NUTS only

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Custom Samples							Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	SFC-DOM	SFC-EEM	SFC-DOC	SPC	
1	1	598	b-5	114		x											
2	2	599	b-5	114			x		x	x	x	x					
3	3	600	b-5	114												xxx	
4		601	100	100		x											
5	5	602	75	75		x											
6	6	603	50	50		xx											
7	7	604	50	50			x		x	x	x	x					
8	8	605	50	50			x						x	x	x		
9		606	30	30		x											
10	10	607	20	20		x		x									
11		608	10	10		x		xx									
12		609	5	5		x		x									
13	13	610	0	2		x		x									
14	14	611	0	2			x		x	xx	x	x					
15	15	612	0	2			x						x	x	x		
16	16	613	0	1.5												xxx	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 118 m

Transmisso Cleaned: Y I N

Time	UTC	Local
Start	0502	
Bottom	0506	
End	0518	

Positional Information

Start

Lat: 54 ° 8.801 N

Lon: 130 ° 26.350 W

Bottom

Lat: ° 8.79 N

Lon: ° 26.39 W

End

Lat: ° 8.766 N

Lon: ° 26.545 W

Extra comments:

Super mini with DO

100

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

CH24

Event #:

173

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

29 | 07 | 2020

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	590	b-5	89		x												
2	2	591	75	75		xx												
3		592	50	50		x												
4	4	593	30	30		x												
5		594	20	20		x												
6	6	595	10	10		x												
7	7	596	5	5		x												
8	8	597	0	1.6		x												
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: 93 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0606	
Bottom	0608	
End	0619	

Positional Information

Start	Lat: 54 ° 07.660 N
	Lon: 130 ° 34.030 W
	▼
Bottom	Lat: ° 7.660 N
	Lon: ° 35.030 W
	▼
End	Lat: ° 7.670 N
	Lon: ° 35.130 W

Extra comments:
Super mini with DO
NUTSONLY

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-069

Station: CH22

Event #: 174

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 29 | 07 | 2020

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		581	b-5	✓	123.6		x											
2		582	100	✓	100.3		x											
3		583	75	✓	75.1		xx											
4		584	50	✓	50.2		x											
5		585	30	✓	30.1		x											
6		586	20	✓	20.2		x											
7		587	10	✓	10.1		x											
8		588	5	✓	5.0		x											
9		589	0	✓	1.7		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): CWBottom Depth: 128 m
Transmissio Cleaned: Y / N

Time	UTC	Local
Start	0649	
Bottom	0657	
End	0702	

Positional Information	Start	Bottom	End
Lat: 54 ° 09 976 N			
Lon: 130 ° 35 064 W			
Lat: ° 09 983 N			
Lon: ° 35 113 W			
Lat: ° 10 007 N			
Lon: ° 35 203 W			

Extra comments:
Super-mini with DO NUTS
only

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		567	b-5		118		x											
2		568	b-5		118			x		x	x	x	x					
3	3	569	b-5		118										xxx			
4		570	100		100		x											
5	5	571	75		75		x											
6		572	50		50		xx											
7	7	573	50		50			x		x	x	x	x					
8		574	30		30		x											
9	9	575	20		20		x											
10		576	10		10		x											
11	11	577	5		5		x											
12		578	0		1.5		x											
13		579	0		1.5			x		x	xx	xx	x					
14	14	580	0		1.5										xxx			
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 122 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0734	
Bottom	0738	
End	0749	

Positional Information

Start

Lat: 54 ° 11.897 N

Lon: 130 ° 39.354 W

Bottom

Lat: ° 11.908 N

Lon: ° 39.346 W

End

Lat: ° N

Lon: ° W

Extra comments:

Super mini with DO

NO

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

CH19

Event #:

176

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

29|07|2020

Ship:		JP Tully		UTC Date (dd													
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		685	b-5	80		x											
2		686	b-5	80			x		x	x	x	x					
3		687	b-5	80											xxx		
4	4	688	50	50		xx											
5	5	689	50	50			x		x	x	x	x					
6	6	690	30	30		x											
7		691	20	20		x		x									
8	8	692	10	10		x		x									
9		693	5	5		x		xy									
10		694	0	1.5		x		x									
11		695	0	1.5			x		xx	x	x	x					
12	12	696	0	1.5											xxx		
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Version: 28May2020

Trennimeter to be used to

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

CH

Bottom Depth: 85 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 0826

Bottom 0830

End 0839

Positional Information

Lat: 54 ° 15.220 N

Lon: 130 ° 35.660 W

Lat: ° 15.220 N

Lon: ° 35.660 W

Lat: ° 15.19 N

Lon: ° 35.69 W

Extra comments:

SuperMini
no DO

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

CH18

Event #:

177

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

29|07|2020

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	697	b-5		33		x												
2	2	698	40		33		x												
3	3	699	20		20		x												
4	4	700	10		10		xx											Fired at 6-5	
5	5	701	5		5		x												
6	6	702	0		1.5		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: 38 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0920	
Bottom		
End	0928	

Positional Information

Start	Lat: 54 ° 16.460 N
	Lon: 132 ° 29.210 W
Bottom	Lat: ° N
	Lon: ° W
End	Lat: 54 ° 16.430 N
	Lon: 130 ° 29.180 W

Extra comments:

NOTS only

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-069

Station: CH17

Event #: 178

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 29|07|2020

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	SFC-EEM	SFC-DOM	SFC-DOC				
			✓																
1		703	b-5	✓	83.1		x												
2		704	75	✓	74.9		x												
3		705	50	✓	50.2		xx												
4		706	30	✓	30.1		x												
5		707	20	✓	20.0		x												
6		708	10	✓	9.9		x												
7		709	5	✓	4.9		x												
8		710	0	✓	1.7		x	x	x				x	x	x				
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Version: 28May2020

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

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

Bottom Depth: 87 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1014	
Bottom	1017	
End	1026	

Positional Information
Start
Lat: 54 ° 20.43 N
Lon: 130 ° 33.31 W

Bottom
Lat: ° 20.42 N
Lon: ° 33.340 W

End
Lat: ° 20.40 N
Lon: ° 33.36 W

Extra comments:
nuts + SFC

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-069

Station: CH12

Event #: 179

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 29 | 20 | 2020

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC			
			✓	Pressure															
1		711	b-5		133		x												loose vent
2		712	b-5		133			x		x	x	x							
3	3	713	b-5		133												xxx		
4	4	714	100		100		x												loose vent loose vent
5	5	715	75		75		xx												
6		716	50		50		x												
7	7	717	50		50		x												fire after 5 sec
8	8	718	30		30			x		x	x	x	x						
9	9	719	20		20		x		x										
10		720	10		10		x		xx										
11	11	721	5		5		x		x										
12		722	0		2		x		x										
13		723	0		2			x		xx	x	x	x						xxx
14	14	724	0		2														
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Version: 28May2020

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

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

Bottom Depth: _____ m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1058	
Bottom	1103	
End	1115	

Positional Information

Lat:	55 ° 23.640	N
Lon:	130 ° 34.050	W

▼

Lat:	° 23.64	N
Lon:	° 34.04	W

▼

Lat:	° 23.62	N
Lon:	° 34.06	W

Extra comments:
Mini Super no 20

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-069

Station: CH11

Event #: 180

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 29|07|2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: All_Samples							Comments
			Target	Confirmed	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	All_Samples						
			Pressure	✓ Pressure									SFC-EEM	SFC-DOM	SFC-DOC	SPC			
1		725	b-5		126		x												
2		726	b-5		126				x	x		x	x						
3	3	727	b-5		126														
4	4	728	100		100		x										xxx		
5		729	75		75		x												
6		730	50		50		x												
7	7	731	50		50		x												
8	8	732	30		30			x		x	x	x	x						
9		733	20		20		xx		x										
10	10	734	10		10		x		x										
11		735	5		5		x		xx										
12		736	0		2		x		x										
13		737	0		2			x		x	xx	x	x						
14	14	738	0		2														
15																	xxx		
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Version: 28May2020

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

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

Bottom Depth: 129 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1149	
Bottom	1153	
End	1206	

Positional Information
Start
Lat: 54 ° 26.960 N
Lon: 130 ° 32.936 W

Bottom
Lat: ° 26.956 N
Lon: ° 32.935 W

End
Lat: ° 26.930 N
Lon: ° 32.994 W

Extra comments:
Mini Super No 20

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-069

Station: Chat2

Event #: 182

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 23 JUL 2020

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			739	b-5	✓ 191		x															
2			740	b-5	✓ 191			x		x	x	x	x									
3			741	b-5	✓ 191																	
4			742	150	✓		x									xxx						
5			743	100	✓		x															
6			744	75	✓		x															
7			745	50	✓	x	xx							xx								
8			746	50	✓			x		x	x	x	x									
9			747	40	✓	x								xx								
10			748	30	✓	xx	x							xx								
11			749	20	✓		x		x													
12			750	10	✓		xx		xx													
13			751	5	✓		x		x													
14			752	0	✓ 1.9		x		x													
15			753	0	✓ 1.9			x		x	x	x	x									
16			754	0	✓ 1.9											xxx						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Version: 28May2020

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

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

Bottom Depth: 195 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1508	0808
Bottom	1511	0811
End	1525	0825

Positional Information
Start
Lat: 54 ° 15 791 N
Lon: 130 ° 46 792 W

Bottom
Lat: 54 ° 15 793 N
Lon: 130 ° 46 780 W

End
Lat: 54 ° 15 833 N
Lon: 130 ° 46 760 W

Extra comments:
Mini Super No 20

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-069 Station: CH16 Event #: 184 Ship: JP Tully UTC Date (dd|mmm|yyyy): 29 | JUL | 2020

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		755	b-5	✓	205	x	x	x					x				
2		756	b-5	✓	205					x	x	x					
3		757	b-5	✓	205										xx		
4		758	150	✓		x	x	x					x				
5		759	100	✓		x	xx	x					x				
6		760	75	✓		x	x	x					x				
7		761	50	✓		xx	x	x					x				
8		762	50	✓						x	x	x	x				
9		763	30	✓		x	x	x					xx				
10		764	20	✓		x	x	x					x				
11		765	10	✓		x	x	x					x				
12		766	5	✓		x	x	x					x				
13		767	0	✓		x	x	x					x				
14		768	0	✓						xx	x	x	x				
15		769	0	✓											xx		
16		765	10			x	x	x					x				
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Fired at 20m by error 10m now bot #16

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

Bottom Depth: 210 m
Transmissio Cleaned: Y N

Time	UTC	Local
Start	1750	1050
Bottom	1753	1053
End		

Positional Information

Lat:	54 ° 19 770	N
Lon:	130 ° 37 430	W

Bottom

Lat:	54 ° 19 780	N
Lon:	130 ° 37 480	W

End

Lat:	54 ° 19 790	N
Lon:	130 ° 37 470	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:

2020-069

Station:

CH13

Event #:

185

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

29 JUL 20

Cruise ID:			2020-069		Station:		CH13		Event #:		185		Shp:		St. Vol.			
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		770	b-5		153		x											
2		771	150		✓		x											
3		772	100		✓		x											
4		773	75		✓		xx											
5		774	50		✓		x											
6		775	30		✓		x											
7		776	20		✓		x											
8		777	10		✓		x											
9		778	5		✓		xx											
10		779	0				x											
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

do not use Ammonia products

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

Bottom Depth: 158 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1853	1153
Bottom	1857	1157
End	1908	1200

Positional Information
Start
Lat: 54 ° 23 009 N
Lon: 130 ° 39 010 W

Bottom
Lat: 54 ° 22 970 N
Lon: 130 ° 38 930 W

End
Lat: 54 ° 22 950 N
Lon: 130 ° 38 980 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:

2020-069

Station:

CH10

Event #:

186

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 29 Jul 2020

Event #.		186		Ship:		JP Tully		UTC Date (dd										
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		780	b-5	✓	77.5		x											
2		781	50	✓			x											
3		782	30	✓			x											
4		783	20	✓			xx											
5		784	10	✓			x											
6		785	5	✓			x											
7		786	0	✓			x											
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Version: 28May2020

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

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

Bottom Depth: 82 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1948	1248
Bottom	1949	1249
End	1955	1255

Positional Information

Start	Lat: 54° 26' 10" N
	Lon: 130° 39' 30" W

Bottom

	Lat: 54° 26' 30" N
	Lon: 130° 39' 31" W

End

	Lat: 54° 26' 00" N
	Lon: 130° 39' 32" W

Extra comments:
NOTS only

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	All_Samples						
			✓	Pressure									DIC	Phyto	SPC				
1		787	b-5	✓	82		x												
2		788	75	✓			x												
3		789	50	✓			x												
4		790	30	✓			x												
5		791	20	✓			x												
6		792	10	✓			xx												
7		793	5	✓			x												
8		794	0		1.8		x												
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: 86 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	2051	1351
Bottom	2052	1352
End	2100	1400

Positional Information

Start

Lat: 54 ° 31 460 N

Lon: 130 ° 31 010 W

Bottom

Lat: 54 ° 31 450 N

Lon: 130 ° 31 030 W

End

Lat: 54 ° 31 440 N

Lon: 130 ° 31 030 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: 2020-069 Station: Chat3 Event #: 189 Ship: JP Tully UTC Date (dd|mmm|yyyy): 29 Jul 20

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	SFC-DOC	SPC			
1		795	b-5	✓ 154		x												
2		796	b-5	✓ 154			x		x	x	x	x						
3		797	b-5	✓ 154											xxx			
4		798	100	✓		x												
5		799	75	✓		x												
6		800	50	✓		xx	xx	x										
7		801	50	✓				x	x	x	x							
8		802	40	✓			x	x										
9		803	30	✓		xx	x	x										
10		804	20	✓			x		x									
11		805	10	✓			xx		xx									
12		806	5	✓			x		x									
13		807	0	✓ 1.6			x	x	x					x				
14		808	0	✓ 1.6				x		x	x	x	x					
15		809	0	✓ 1.6											xxx			
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 158 m
Transmisso Cleaned: Y N

Time	UTC	Local
Start	2151	1451
Bottom	2153	1453
End	2204	1504

Positional Information

Start	Lat: 54 ° 31 519 N
	Lon: 130 ° 32 458 W

Bottom

Lat: 54 ° 31 517 N
Lon: 130 ° 32 464 W

End

Lat: 54 ° 31 498 N
Lon: 130 ° 32 454 W

Extra comments:
Super mini with DO
NO

Cruise ID: 2020-069

Station: CH08

Event #: 191

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 29 JUL 20

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	SFC-EEM	SFC-DOM	SFC-DOC		SPC
			✓	Pressure														
1		810	b-5	✓	138		x											
2		811	b-5	✓	138			x		x	x	x	x					
3		812	b-5	✓	138											xxx		
4		813	100	✓			x											
5		814	75	✓			x											
6		815	50	✓			x											
7		816	50	✓			x											
8		817	30	✓				x		x	x	x	x					
9		818	20	✓			xx		x									
10		819	10	✓			x		x									
11		820	5	✓			x		xx									
12		821	0				x		x									
13		822	0					x		x	xx	x	x					
14		823	0													xxx		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 142 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	2334	1634
Bottom	2337	1637
End	2347	1647

Positional Information

Start

Lat: 54 ° 31 170 N

Lon: 130 34 918 W

Bottom

Lat: 54 ° 31 170 N

Lon: 130 34 930 W

End

Lat: 54 ° 31 156 N

Lon: 130 ° 34 972 W

Extra comments:

Mine Super
NO DO

Water Properties Group

Program STN List: All Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

CH04

Event #:

193

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

30 JUL 2020

Niskin #	Firing #	Sample #	Target Pressure	Confirmed		OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	DIC	Phyto	SPC						
				✓	Pressure																	
1		824	b-5	✓	75		x															
2		825	75				x			NOT TRIPPED												
3		826	50	✓			x															
4		827	30	✓			x															
5		828	20	✓			x															
6		829	10	✓			x															
7		830	5	✓			xx															
8		831	0	✓	1.7		x															
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: 79 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	0109	1809
Bottom	0110	1810
End	0118	1818

Positional Information
Start
Lat: 54 ° 32 380 N
Lon: 130 ° 43 520 W

Bottom
Lat: 54 ° 32 390 N
Lon: 130 ° 43 510 W

End
Lat: 54 ° 32 390 N
Lon: 130 ° 43 520 W

Extra comments:

NOTS only

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	SFC-EEM	SFC-DM	SFC-DOC	SPC	
1	1	846	b-5		246	x											
2	2	847	200		200	x											
3	3	848	150		150	xx											
4	4	849	100		100	x											
5	5	850	75		75	x											
6		851	50		50	x											
7	7	852	30		30	x											
8		853	20		20	x											
9	9	854	10		10	xx											
10		855	5		5	x											
11		856	0			x											
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: 250 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0239	
Bottom	0245	
End	0301	

Positional Information

Start

Lat: 54 ° 34.920 N

Lon: 130 ° 32.080 W

Bottom

Lat: ° 34.910 N

Lon: ° 32.060 W

End

Lat: ° 34.910 N

Lon: ° 32.020 W

Extra comments:

NUTS only

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	SFC-EEM	SFC-DM	SFC-DOC	SPC	
1		832	b-5	✓ 137.8		x											
2		833	b-5	✓ 137.8			x		x	x	x	x					
3		834	b-5	✓ 137.8												xxx	
4		835	100	✓		x											
5		836	75	✓		x											
6		837	50	✓		x											
7		838	50	✓		x											
8		839	30	✓			x		x	x	x	x					
9		840	20	✓		xx		x									
10		841	10	✓		x		x									
11		842	5	✓		x		xx									
12		843	0	✓ 2		x		x									
13		844	0	✓ 2			x		x	xx	x	x					
14		845	0	✓ 2												xxx	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 143 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0153	1853
Bottom	0156	1856
End	0206	1906

Positional Information

Start

Lat: 54 ° 33 650 N

Lon: 130 ° 37 810 W

Bottom

Lat: 54 ° 33 630 N

Lon: 130 ° 37 810 W

End

Lat: 54 ° 33 600 N

Lon: 130 ° 37 830 W

Extra comments:

Mme Super NO DO

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-069

Station: CH03

Event #: 196

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 30|07|2020

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	SFC-EEM	SFC-DM	SFC-DOC	SPC	
1	1	857	0	1.5			x	x							x		tripped & settles
2	2			1.5													
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: 569 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0445	
Bottom	0457	
End	0508	

Positional Information
Start
Lat: 54 ° 41.394 N
Lon: 130 ° 55.405 W

Bottom
Lat: ° 41.410 N
Lon: ° 55.398 W

End
Lat: ° 41.406 N
Lon: ° 55.339 W

Extra comments:
SFC

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-069 Station: CH02 Event #: 197 Ship: JP Tully UTC Date (dd|mmm|yyyy): 30|07|2020

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC			
			✓																
1		858	B-5		322		x												
2		859	b-5		322			x		x	x	x	x						
3	3	860	b-5		322												xxx		
4	4	861	300		300		x												
5	5	862	250		250		x												
6		863	200		200		x												
7	7	864	150		150		xx												
8		865	100		100		x												
9	9	866	75		75		x												
10		867	50		50		xx												
11	11	868	50		50			x		x	x	x	x						
12		869	30		30		x												
13		870	20		20		x		x										
14		871	10		10		x		x										
15	15	872	5		5		x		x										
16	16	873	0		1.7		x	x	xx					x	x	x			
17		874	0		1.7					xx	x	x	x						
18	18	875	0		1.7												xxx		
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 334 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0620	
Bottom	0628	
End	0648	

Positional Information
Start
Lat: 54 ° 39.800 N
Lon: 130 ° 38.190 W

Bottom
Lat: ° 39.770 N
Lon: ° 38.140 W

End
Lat: ° 39.710 N
Lon: ° 38.070 W

Extra comments:
Mini Super NORD

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-069

Station: PI1

Event #: 198

Ship: JP Tully

UTC Date (dd/mm/yyyy): 30/07/2020

Event #:		Ship:		JP Tully		UTC Date (dd/mm/yy)											
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	SFC-EEM	SFC-DOM	SFC-DOC	SPC	
1	1	876	B-5			x											
2	2	877	b-5					x	x	x	x						
3	3	878	b-5	598													
4	4	879	500	500		x										xxx	
5	5	880	400	400		x											
6	6	881	300	300		xx											
7		882	250	250		x											
8		883	200	200		x											
9	9	884	150	150		x											
10	10	885	100	100		x											
11		886	75	75		x											
12		887	50	50		x											
13	13	888	50	50			x		x	x	x	x					
14	14	889	30	30		xx											
15	15	890	20	20		x		x									
16	16	891	10	10		x		xx									
17		892	5	5		x		x									
18		893	0	2		x		x									
19		894	0	2			x		x	xx	xx	x	x				
20	20	895	0	2					x	xx	xx	x	x				
21																xxx	
22																	
23																	
24																	

Version: 28May2020

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

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

Bottom Depth: 600 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0748	
Bottom	0801	
End	0827	

Positional Information
Start
Lat: 54 ° 41.592 N
Lon: 130 ° 27.262 W

Bottom
Lat: ° 41.582 N
Lon: ° 27.253 W

End
Lat: ° 41.557 N
Lon: ° 27.253 W

Extra comments:
Mini Supernova DO

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-069

Station: PI4

Event #: 202

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 30 | 07 | 2020

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	All_Samples						
			Pressure	√	Pressure									SFC-EEM	SFC-DOM	SFC-DOC	SPC	Nut-C		
1		896	B-5		444	x	x											xx		
2		897	b-5		444			x		x	x	x	x							
3	3	898	b-5		444												xxx			
4	4	899	400		400	x	xx											x		
5	5	900	300		300	xx	x													
6	6	901	250		250	x	x													
7		902	200		200	x	x													
8	8	903	150		150	x	x													
9	9	904	100		100	x	x													
10		905	75		75	x	x													
11		906	50		50	xx	x													
12	12	907	50		50			x		x	x	x	x							
13	13	908	30		30	x	x													
14	14	909	20		20	x	x			xx										
15	15	910	10		10	x	xx			x										
16	16	911	5		5	x	x			x										
17		912	0		1.6	x	x	x	x					x	x	x				
18		913	0		1.6					x	xx	x	x							
19		914	0		1.6												xxx			
20																				
21																				
22																				
23																				
24																				

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

Bottom Depth: 445 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1101	
Bottom	1110	
End	1133	

Positional Information

Lat:	54 °	49.580 N
Lon:	130 °	14.750 W

Bottom

Lat:	°	49.580 N
Lon:	°	14.760 W

End

Lat:	°	49.540 N
Lon:	°	14.950 W

Extra comments:
num Super
no DO

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	SFC-EEM	SFC-DM	SFC-DOC	SPC	
1		928	B-5	☒ 57	x	x											
2		929	b-5	☒ 57			x		x	x	x	x					
3		930	b-5	☒ 57												xxx	
4		931	30	☒	x	x											
5		932	20	☒	x	xx		x									
6		933	10	☒	xx	x		xx									
7		934	5	☒	x	x		x									
8		935	0	☒	x	x		x									
9		936	0	☒			x		xx	x	x	x					
10		937	0	☒												xxx	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): 56

Bottom Depth: 61 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1624	0924
Bottom	1625	0925
End	1631	0931

Positional Information

Start

Lat: 54 ° 36 020 N

Lon: 129 ° 56 690 W

Bottom

Lat: 54 ° 36 020 N

Lon: 129 ° 56 690 W

End

Lat: 54 ° 36 020 N

Lon: 129 ° 56 700 W

Extra comments:

Mina Sygar

NO DO

Water Properties Group

Program STN List: All Stns

Sampling Log

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

Cruise ID: 2020-069

Station: KH1

Event #: 206

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 30 JUL 2020

Event #.		Ship:		JP Tully		UTC Date (dd/mm)												
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	SFC-EEM	SFC-DOM	SFC-DOC	SPC		
1		915	B-5	✓	115	x	x											
2		916	b-5	✓	115			x		x	x	x	x					
3		917	b-5	✓	115													
4		918	75	✓		x	x									xxx		
5		919	50	✓		x	x											
6		920	50	✓				x		x	x							
7		921	30	✓		x	xx											
8		922	20	✓		xx	x		x									
9		923	10	✓		x	x		x									
10		924	5	✓		x	x		xx									tripped out 5m by error. no 10m sample
11		925	0			x	x		x									
12		926	0															
13		927	0					x		x	xx	x	x			xxx		
14																xxx		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Version: 28May2020

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

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

Bottom Depth: 121 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1743	1043
Bottom	1745	1045
End	1759	1059

Positional Information
Start Lat: 59 ° 42 700 N
Lon: 130 ° 9 290 W

Bottom Lat: 59 ° 42 710 N
Lon: 130 ° 9 290 W

End Lat: 59 ° 42 730 N
Lon: 130 ° 9 280 W

Extra comments:
Mini Super + DO

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-069 Station: PI6 Event #: 207 Ship: JP Tully UTC Date (dd|mmm|yyyy): 30|Jul|2020

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	All Samples		SPC				
				✓									SFC-EEM	SFC-DOO		SFC-DOC			
1		938	mid	✓	170		x	x	x					x	x	x			
2		939	0	✓	19		x	x	x					x	x	x			
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: 342 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1940	1240
Bottom	1946	1246
End	1954	1254

Positional Information
Start
Lat: 54 ° 55.982 N
Lon: 130 ° 7.043 W

Bottom
Lat: 54 ° 55.960 N
Lon: 130 ° 7.042 W

End
Lat: 54 ° 55.956 N
Lon: 130 ° 7.051 W

Extra comments:
SFC

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC			
			✓																
1		940	mid	✓	115		x	x	x					x	x	x			
2		941	0		1.9		x	x	x					x	x	x			
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: 227 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	2034	1334
Bottom	2038	1338
End	2044	1344

Positional Information

Start

Lat: 54 ° 59.182 N

Lon: 130 ° 3.024 W

Bottom

Lat: 54 ° 59.174 N

Lon: 130 ° 3.074 W

End

Lat: 54 ° 59.149 N

Lon: 130 ° 3.104 W

Extra comments:

SFC

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC	
1		952	mid	✓	75		x	x	x					x	x	x		
2		953	0				x	x	x					x	x	x		
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: 152 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	2110	1410
Bottom	2113	1413
End	2117	1417

Positional Information

Lat: 54 ° 59 260 N

Lon: 129 ° 59 951 W

Lat: 54 ° 59 261 N

Lon: 129 ° 59 962 W

Lat: 54 ° 59 270 N

Lon: 129 ° 59 970 W

Extra comments:

SFC

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC		
1		942	b-5	✓	92		x											
2		943	b-5	✓	92			x		x	x	x	x					
3		944	b-5	✓	92											xxx		
4		945	30	✓			xx											
5		946	20	✓			x		x									
6		947	10	✓			x		x									
7		948	5	✓			x		xx									
8		949	0	✓			x	x	x				x	x	x			
9		950	0	✓						x	x	x	x					
10		951	0	✓												xxx		
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: 90 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	2144	1444
Bottom	2146	1446
End	2152	1452

Positional Information
Start
Lat: 54 ° 58 616 N
Lon: 129 ° 58 115 W
Bottom
Lat: 54 ° 58.627 N
Lon: 129 ° 58 147 W
End
Lat: 54 ° 58 633 N
Lon: 129 ° 58 212 W

Extra comments:
SuperMini No DO
+ SFC

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC	Nut-C		
			✓	Pressure															
1		954	B-5	✓	420	x	x										xx		
2		955	b-5	✓	420			x		x	x	x	x						
3		956	b-5	✓	420											xxx			
4		957	400	✓		x	x										x		
5		958	300	✓		x	x												
6		959	250	✓		x	x												
7		960	200	✓		x	x												
8		961	150	✓		xx	x												
9		962	100	✓		x	xx												
10		963	75	✓		x	x												
11		964	50	✓		x	x												
12		965	50	✓				x		x	x	x	x						
13		966	30	✓		x	x												
14		967	20	✓		xx	xx		x										
15		968	10	✓		x	x		xx										
16		969	5	✓		x	x		x										
17		970	0	✓		No	x	x							x				
18		971	0	✓				x		x	xx	x	x						
19		972	0	✓		X										xxx			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 422 m
Transmisso Cleaned: Y N

Time	UTC	Local
Start	2323	1623
Bottom	2330	1630
End	2351	1651

Positional Information

Lat:	55 °	6.613	N
Lon:	129 °	57.530	W

▼

Lat:	55 °	6.613	N
Lon:	129 °	57.530	W

▼

Lat:	55 °	6.560	N
Lon:	129 °	57.523	W

Extra comments:
Super Nmi + DO

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	All Samples		SPC	Nut-C		
			✓	Pressure									SFC-EEM	SFC-DM			SFC-DOC	
1	1	973	B-5		541	x	x										xx	
2	2	974	b-5		541			x		x	x	x						
3	3	975	b-5		541											xxx		
4	4	976	400		401	x	x										x	
5		977	300		300	xx	x											
6	6	978	250		250	x	xx											
7	7	979	200		200	x	x											
8	8	980	150		150	x	x											
9	9	981	100		100	x	x											
10	10	982	75		75	x	x											
11		983	50		50	x	xx											
12	12	984	50		50			x		x	x	x	x					
13	13	985	30		30	x	x											
14	14	986	20		20	x	x		xx									
15	15	987	10		11	x	x		x									
16		988	5		5	xx	x		x									
17		989	0		1.6	x	x		x									
18		990	0		1.5			x		xx	x	x	x					
19	19	991	0		1.5											xxx		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 542 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 0220

Bottom 0231

End 0256

Positional Information

Lat: 55 ° 17.530 N

Lon: 129 ° 48.020 W

▼

Lat: ° 17.520 N

Lon: ° 47.950 W

▼

Lat: ° 17.520 N

Lon: ° 47.970 W

Extra comments:

Super Mini +DO

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Ship: JP Tully

UTC Date (dd/mm/yyyy): 31/07/2020

Cruise ID:

2020-069

Station:

HA2

Event #:

218

Comments

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

Bottom Depth: 302 m
Transmisso Cleaned: Y N

Time UTC Local
Start 0500
Bottom 0508
End 0527

Positional Information
Start Lat: 55° 28.250 N
Lon: 129° 44.540 W

Bottom Lat: 28.270 N
Lon: 44.510 W

End Lat: 28.260 N
Lon: 44.480 W

Extra comments:
Super Mini
NO DO

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC	phyto					
1		992	b-5	299		x																
2		993	b-5	299			x		x	x	x	x						xxx				
3	3	994	b-5	299																		
4	4	995	250	250		x																
5	5	996	200	200		x																
6	6	997	150	150		xx																
7	7	998	100	100		x																
8		999	75	75		x																
9		1000	50	50		x																
10	10	1001	50	50			x		x	x	x	x										
11	11	1002	30	30		xx																
12	12	1003	20	20		x		x														
13		1004	10	10		x		xx														
14	14	1005	5	5		x		x														
15	15	1006	0	1.3		x		x		xx	x	xx						x				
16		1007	0	1.3			x		x									xxx				
17	17	1008	0	1.3																		
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-069

Station: HA4

Event #: 220

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 31|07|2020

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC				
			✓																	
1		1009	b-5		169		x													
2		1010	b-5		169			x		x	x	x	x							
3	3	1011	b-5		169												xxx			
4		1012	150		150		x													
5	5	1013	100		100		x													
6		1014	75		75		x													
7		1015	50		50		x													
8	8	1016	50		50			x		x	x	x	x							
9		1017	30		30		xx													
10		1018	20		20		x		x											
11	11	1019	10		10		x		x											
12		1020	5		5		x		x											
13		1021	0		1.5		x		xx											
14		1022	0		1.4			x		x	x	x	x							
15	15	1023	0		1.4												xxx			
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Version: 28May2020

Transmissometer to be cleaned before each cast.

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

Bottom Depth: 171 m
Transmissio Cleaned: Y / N

Time	UTC	Local
Start	0650	
Bottom	0655	
End	0709	

Positional Information

Lat:	55 ° 36.460	N
Lon:	129 ° 47.780	W

▼

Lat:	° 36.470	N
Lon:	° 47.790	W

▼

Lat:	° 36.460	N
Lon:	° 47.800	W

Extra comments:
Super Mini
No DO

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-069 Station: HECS7 Event #: 221 Ship: JP Tully UTC Date (dd|mmm|yyyy): 31 JUL 2020

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC	
1		1024	b-5	✓ 117	x	x											
2		1025	b-5	✓ 117			x		x	x	x	x					
3		1026	b-5	✓ 117												xxx	
4		1027	100	✓	xx	x											
5		1028	75	✓	x	x											
6		1029	50	✓	x	x											
7		1030	50	✓			x		x	x	x	x					
8		1031	30	✓	x	xx											
9		1032	20	✓	x	x		xx									
10		1033	10	✓	x	x		xx									
11		1034	5	✓	x	x		xx									
12		1035	0	✓	x	x		xx									
13		1036	0	✓			x		xx	x	xx	x					
14		1037	0	✓												xxx	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 121 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1638	0938
Bottom	1640	0940
End	1640	0949

Positional Information

Lat:	54 °	13.745	N
Lon:	131 °	2.021	W

▼

Lat:	54 °	13.710	N
Lon:	131 °	2.021	W

▼

Lat:	54 °	13.604	N
Lon:	131 °	2.956	W

Extra comments:
Super Nime + DO

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	SFC-EEM	SFC-DM	SFC-DOC	SPC		
			✓	Pressure														
1		1038	b-5	97	x	x												
2		1039	b-5	97			x		x	x	x	x						
3		1040	b-5	97												xxx		
4		1041	75	✓	x	x												
5		1042	50	✓	x	x												
6		1043	50	✓			x		x	x	x	x						
7		1044	30	✓	xx	x												
8		1045	20	✓	x	x		xx										
9		1046	10	✓	x	xx		xx										
10		1047	5	✓	x	x		xx										
11		1048	0	✓	x	x		xx										
12		1049	0	✓			x		x	x	x	x						
13		1050	0	✓												xxx		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): LP

Bottom Depth: 103 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2042	
Bottom	2046	
End	2054	

Positional Information

Start Lat: 53 ° 48 340 N
Lon: 130 ° 49 400 W

Bottom Lat: 53 ° 48 340 N
Lon: 130 ° 49 390 W

End Lat: 53 ° 48 330 N
Lon: 130 ° 49 380 W

Extra comments:
Super Nini + PD

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-069

Station: OGCH46

Event #: 231

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 01 | 08 | 2020

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	SFC-EEM	SFC-DM	SFC-DOC	SPC				
1		1051	b-5	147	x	x														
2		1052	b-5	147			x		x	x	x	x								
3	3	1053	b-5	147												xxx				
4	4	1054	100	100	x	x														
5	5	1055	75	75	x	x														
6		1056	50	50	xx	x														
7	7	1057	50	50			x		x	x	x	x								
8		1058	30	30	x	x														
9	9	1059	20	20	x	x		x												
10	10	1060	10	10	x	xx		x												
11		1061	5	5	x	x		xx												
12		1062	0	1.7	x	x		x												
13		1063	0	1.7			x		x	xx	x	x								
14		1064	0	1.7												xxx				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

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

Bottom Depth: 151 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0515	
Bottom	0519	
End	0532	

Positional Information
Start
Lat: 53 ° 55.511 N
Lon: 130 ° 13.102 W

Bottom
Lat: ° 55.513 N
Lon: ° 13.088 W

End
Lat: ° 55.513 N
Lon: ° 13.046 W

Extra comments:
Super Mini + DO

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

OGCH50

Event #:

232

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 01 | 08 | 2020

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC			
1	1	1065	b-5	128		x													
2	2	1066	b-5	128															
3	3	1067	100	101		x										xxx			
4	4	1068	75	75		x													
5		1069	50	50		x													
6	6	1070	30	30		xx													
7	7	1071	20	20		x													
8	8	1072	10	10		x													
9	9	1073	5	5		x													
10		1074	0	1.3		x		xx											
11	11	1075	0	1.3															
12																xxx			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

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

Time	UTC	Local
Start	0611	
Bottom	0616	
End	0630	

Positional Information

Start	Lat: 53 ° 59.360 N
	Lon: 130 ° 12.576 W
Bottom	Lat: ° 59.360 N
	Lon: ° 12.570 W
End	Lat: ° 59.390 N
	Lon: ° 12.540 W

Extra comments:
 NUTS + SPC

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	SFC-EEM	SFC-DO	SFC-DOC	SPC	
1		1076	0		2		x	x	x							x		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 183 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	0837	
Bottom	0846	
End	0851	

Positional Information

Lat: 53 ° 49.182 N

Lon: 129 ° 59.212 W

▼

Lat: 53 ° 49.184 N

Lon: 129 ° 59.215 W

▼

Lat: 53 ° 49.184 N

Lon: 129 ° 59.212 W

Extra comments:

SFC

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-069 Station: GRC19 Event #: 238 Ship: JP Tully UTC Date (dd|mmm|yyyy): 01 | 08 | 2020

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC	
1	1	1077	b-5			94												xxx	
2	2	1078	0			2												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: 98 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1201	
Bottom	1205	
End	1208	

Positional Information

Start	Lat: 53 ° 36.542	N
	Lon: 129 ° 42.448	W
Bottom	Lat: ° 36.464	N
	Lon: ° 42.362	W
End	Lat: ° 36.416	N
	Lon: ° 42.280	W

Extra comments:
particles only

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-069

Station: GRC1

Event #: 242

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 01|AUG|2020

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC	
1		1080	0		2.2		x	x	xx					x	x	x		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 99 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1435	0735
Bottom	1436	0736
End	1439	0739

Positional Information
Start
Lat: 53 ° 32.980 N
Lon: 129 ° 37.340 W

Bottom
Lat: 53 ° 33.000 N
Lon: 129 ° 37.360 W

End
Lat: 53 ° 33.010 N
Lon: 129 ° 37.400 W

Extra comments:
~~mooring site~~ SFC

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	SFC-EEM	SFC-DM	SFC-DOC	SPC	
1		1081	b-5	✓ 224												xxx	
2		1082	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): SP

Bottom Depth: 228 m

Transmisso Cleaned: Y Y N

Time	UTC	Local
Start	1726	1026
Bottom	1730	1030
End	1736	1036

Positional Information

Start

Lat: 53 ° 22.542 N

Lon: 129 ° 20.254 W

Bottom

Lat: 53 ° 22.529 N

Lon: 129 ° 20.201 W

End

Lat: 53 ° 22.501 N

Lon: 129 ° 20.098 W

Extra comments:

mooring site particles on 41

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-069 Station: Doug45 Event #: 255 Ship: JP Tully UTC Date (dd|mmm|yyyy): 02 AUG 2020

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	SFC-EEM	SFC-DM	SFC-DOC	SPC	
1		1083	b-5	✓ 457												xxx	
2		1084	b-5	✓ 457			x		x	x	x	x					
3		1085	50	✓			x		x	x	x	x					
4		1086	0						x	xx	x	x					
5		1087	0			x	x	xx					x	x	x		
6		1088	0													xxx	
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: 459 m
Transmissio Cleaned: Y N

Time	UTC	Local
Start	0005	1705
Bottom	0013	1713
End	0023	1723

Positional Information
Start
Lat: 53 ° 22.260 N
Lon: 129 ° 11.700 W

Bottom
Lat: 53 ° 22.260 N
Lon: 129 ° 11.750 W

End
Lat: 53 ° 22.250 N
Lon: 129 ° 11.760 W

Extra comments:
mooring site

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken						Sample Lists: All_Samples							Comments
			Target	Confirmed															
			Pressure	√	Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	SFC-EEM	SFC-DM	SFC-DOC	SPC		
1		1089	0				x	x	xx							x			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 394 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0126	1826
Bottom	0133	1833
End	0140	1840

Positional Information

Start

Lat: 53 ° 26.750 N

Lon: 129 ° 12.480 W

Bottom

Lat: 53 ° 26.760 N

Lon: 129 ° 12.470 W

End

Lat: 53 ° 26.770 N

Lon: 129 ° 12.460 W

Extra comments:

mooring site

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-069

Station: Doug31

Event #: 262

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 02 AUG 2020

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	SFC-EEM		SFC-DOM	SFC-DOC		SPC	
			✓																
1	1	1090	b-5		298														
2	2	1091	0		2		x	x	xx								x	xxx	
3	3	1092	0		2													xxx	
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Version: 28May2020

Transmissometer to be cleaned before each cast, do not use Amies solution

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

Bottom Depth: 292 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0415	
Bottom	0423	
End	0432	

Positional Information

Start	Lat: 53 ° 36.610 N
	Lon: 129 ° 12 110 W

Bottom

Lat: ° 36.63 N
Lon: ° 12.70 W

End

Lat: ° 36.64 N
Lon: ° 12.770 W

Extra comments:
mooring site

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC	
1	1	1093	0	2		x	x	xx					x	x	x		
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 394 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0553	
Bottom	0602	
End	0610	

Positional Information

Start

Lat: 53 ° 40.37 N

Lon: 129 ° 07.370 W

Bottom

Lat: ° 40.36 N

Lon: ° 07.363 W

End

Lat: ° 40.36 N

Lon: ° 07.37 W

Extra comments:

mooring site

Cruise ID.		Station		Date		Sample Lists: All_Samples												Comments	
Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: All_Samples							
			Target Pressure	Confirmed Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	SFC-EEM	SFC-DM	SFC-DOC	SPC			
1		1094	B-5	✓ 384												xxx			
2		1095	b-5	✓ 384			x		x	x	x	x							
3		1096	50	✓ 50.0			x		x	x	x	x							
4		1097	0	✓ 1.8			x	x	x	x	x	x			x				
5		1098	0	✓ 1.8												xxx			
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): CW

Bottom Depth: 386 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0726	
Bottom	0734	
End	0743	

Positional Information

Start

Lat: 53 ° 47.76 N

Lon: 128 ° 54.715 W

Bottom

Lat: ° 46.789 N

Lon: ° 54.818 W

End

Lat: ° 46.789 N

Lon: ° 54.830 W

Extra comments:

redeploy site

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

Doug8C

Event #:

274

Ship:

JP Tully

UTC Date (dd|mm|yyyy):

02|08|2020

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC		
1	1	1110	0	2		x	x	x					x	x	x			
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 296 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom	1231	
End	1237	

Positional Information
Start
Lat: 53 ° 52.248 N
Lon: 128 ° 46.466 W

Bottom
Lat: ° 52.237 N
Lon: ° 46.454 W

End
Lat: ° 52.228 N
Lon: ° 46.484 W

Extra comments:
mooring site

Cruise ID: 2020-069

Station: Doug11

Event #: 293

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 02 | Aug | 2020

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken					Sample Lists: All Samples								Comments
			Target	Confirmed		OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	SFC			SPC		
			Pressure	✓	Pressure									EEM	DOM	DOC			
1		1124	B-5		322												xxx		
2		1125	b-5		✓			x		x	x	x							
3		1126	mid		115		x	x					x	x	x				
4		1127	50		50			x		xx	x	x	x						
5		1128	0		1.7		x	x	x					x	x	x			
6		1129	0		✓					x	xx	x	x						
7		1130	0		✓												xxx		
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):
Lindsay

Bottom Depth: 327 m

Transmisso Cleaned: Y N

Time UTC Local

Start 2149

Bottom 2157

End 2205

Positional Information

Start Lat: 53 ° 49.850 N
Lon: 128 ° 49.250 W

Bottom Lat: ° 49.850 N
Lon: ° 49.280 W

End Lat: ° 49.840 N
Lon: ° 49.260 W

Extra comments:

mooring site

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC	
1		1111	b-5	✓ 253												xxx	
2		1112	b-5	✓ 253			x		x	x	x	x					
3		1113	130	✓		x	x					x	x	x			
4		1114	50				x		x	x	x	x					
5		1115	0						xx	x	x	x					
6		1116	0			x	x	x				x	x	x		th	
7		1117	0													xxx	
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: 257 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1458	0758
Bottom	1503	0803
End	1511	0811

Positional Information

Start

Lat: 53 ° 54.020 N

Lon: 128 ° 44.130 W

Bottom

Lat: 53 ° 54.060 N

Lon: 128 ° 44.170 W

End

Lat: 53 ° 54.060 N

Lon: 128 ° 44.190 W

Extra comments:

Nothing spe

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-069

Station: Kit1

Event #: 280

Ship: JP Tully

UTC Date (dd|mm|yyyy): 02 | 03 | 2020

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC	DIC				
1	1			1118	b-5	200																	
2	2			1119	b-5	200	x	x									xxx						
3	4			1120	100	✓		x	x					x	x	x			x				
4	3			1121	150	✓	x	x															
5	5			1122	100	✓	x	x										x					
6	6			1123	75	✓	x	x										x					
7	7			1124	50	✓	x	x										x					
8	8			1125	30	✓	x	x										x					
9	9			1126	20	✓	x	x										x					
10	10			1127	10	✓	x	x				x						x					
11	11			1128	5	✓	x	x				x						x					
12				1129	0	✓	x	x	x			x						x					
13				1130	0	✓		x	x	x				x	x	x		x	x				
14				1131	0	✓								x	x	x							
15																	xxx						
16																							
17																							
18																							
19																							
20																							
21																							
22																							
23																							
24																							

Version: 28May2020

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

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

Bottom Depth: *203* m
Transmisso Cleaned: *Y* / N

Time	UTC	Local
Start	15 59	
Bottom	16 04	
End	16 18	

Positional Information
Start
Lat: *53 ° 56.380* N
Lon: *128 ° 41.190* W

Bottom
Lat: *53 ° 56.400* N
Lon: *128 ° 41.180* W

End
Lat: *53 ° 56.430* N
Lon: *128 ° 41.170* W

Extra comments:
mooring site

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	SFC-EEM	SFC-DM	SFC-DOC	SPC		
1		1132	mid	✓	90		x	x					x	x	x			
2		1133	0	✓			x	x	x				x	x	x			
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CP

Bottom Depth: 176 m

Transmisso Cleaned: ✓ / N

Time	UTC	Local
Start	<u>1731</u>	
Bottom	<u>1735</u>	
End	<u>1740</u>	

Positional Information

Start

Lat: 53 ° 57.800 N

Lon: 128 ° 40.960 W

Bottom

Lat: 53 ° 57.800 N

Lon: 128 ° 40.940 W

End

Lat: 53 ° 57.910 N

Lon: 128 ° 40.960 W

Extra comments:

mooring site

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	SFC-EEM	SFC-DM	SFC-DOC	SPC		
1		1118	b-5	216												xxx		
2		1119	b-5	✓			x		x	x	x	x						
3		1120	50	✓			x		x	x	x	x						
4		1121	0	1.5			x		x	x	x	x						
5		1122	0	✓												xxx		
6		1123	0	✓				x							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):
Lindsay Lucius

Bottom Depth: 220 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2000	
Bottom	2005	
End	2011	

Positional Information

Start

Lat: 53 ° 55.620 N

Lon: 128 ° 42.140 W

Bottom

Lat: 53 ° 55.630 N

Lon: 128 ° 42.150 W

End

Lat: 53 ° 55.640 N

Lon: 128 ° 42.140 W

Extra comments:

missing site

Water Properties Group

Cruise ID: 2020-069

Program STN List: All Stns

Station: ~~2020-069~~ FOC 1

Sampling Log

Event #: 298

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

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 03 Aug 2020

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC				
1		1131	B-5		355												xxx			
2		1132	b-5		✓			x		x	x	x	x							
3		1133	50		50			x		x	x	x	x							
4		1134	0		2.0			x	x	x	x	x	x							
5		1135	0		✓												xxx			
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: 360 m
Transmisso Cleaned: Y N

	UTC	Local
Start	0036	
Bottom	0044	
End	0052	

Positional Information

Start	Lat: 53 ° 44.012 N
	Lon: 129 ° 01.961 W

Bottom

Lat: ° 43.982 N
Lon: ° 01.920 W

End

Lat: ° 43.9 N
Lon: ° 01.9 W

Extra comments:
mooring site ✓

Water Properties Group

Program
STN List

All Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

DEC15

Event #:

301

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

03 | 08 | 2020

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	SFC-EEM	SFC-DM	SFC-DOC	SPC	
1	1	1136	0	2		x	x	x					x	x	x		
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

CH

Bottom Depth:

373

m

Transmisso Cleaned:

Y / N

Time

UTC

Local

Start

0311

Bottom

0318

End

0326

Positional Information

Lat:

53 ° 42.829 N

Lon:

128 ° 48.635 W



Lat:

° 42.830 N

Lon:

° 48.630 W



Lat:

° 42.836 N

Lon:

° 48.635 W

Extra comments:

mooring site

Cruise ID: 2020-069

Station: DEC19

Event #: 302

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 03 | 08 | 2020

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	SFC-EEM		SFC-DOM	SFC-DOC	SPC	
			✓	Pressure														
1	1	1137	0	15		x	x	x							x			
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): CH

Bottom Depth: 264 m

Transmisso Cleaned: Y N

Time UTC Local

Start 0406

Bottom 0413

End 0419

Positional Information

StartLat: 53 ° 39.310 N
Lon: 128 ° 52.340 W

BottomLat: ° 39.310 N
Lon: ° 52.320 W

EndLat: ° 39.330 N
Lon: ° 52.300 W

Extra comments:

mooring site

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

DEC26

Event #:

305

Ship:

JP Tully

UTC Date (dd mmm/yyyy):

03 08 2020

Rosette Operation
Target Pressure
Confirmed
✓ Pressure

Sampler's Initials / Samples Taken

Sample Lists: All Samples

Comments

Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	SFC-EEM	SFC-DOM	SFC-DOC	SPC	
1	1	1138	b-5	160													xxx
2	2	1139	0	16		x	x	x					x	x	x		xxx
3	3	1140	0	16													
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: 163 m
Transmisso Cleaned: Y / N

Time UTC Local
Start 0510
Bottom 0515
End 0520

Positional Information
Start
Lat: 53 ° 34.200 N
Lon: 128 ° 51.038 W

Bottom
Lat: ° 34.195 N
Lon: ° 51.044 W

End
Lat: ° 34.192 N
Lon: ° 51.050 W

Extra comments:

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

GC28

Event #:

309

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

03 | 08 | 2020

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	SFC-EEM	SFC-DM	SFC-DOC	SPC	
1	1	1141	B-5	195												xxx	
2	2	1142	b-5	195			x		x	x	x	x					
3	3	1143	50	50			x		x	x	x	x					
4	4	1144	0	17			x	x	x	x	x	x					
5	5	1145	0	17												xxx	
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: 199 m
Transmisso Cleaned: Y / N

	UTC	Local
Start	0605	
Bottom	0610	
End	0616	

Positional Information

Start	Lat: 53 ° 32.190 N
	Lon: 128 ° 46.148 W

Bottom

Lat: ° 32.186 N
Lon: ° 46.139 W

End

Lat: ° 32.183 N
Lon: ° 46.146 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

GC31

Event #:

311

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

03|08|2020

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC			
1	1	1141	0	2		x	x	x											
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 210 m

Transmisso Cleaned: Y N

	UTC	Local
Start	0648	
Bottom	0653	
End	0659	

Positional Information

Start	Lat: 53 ° 31.556 N
	Lon: 128 ° 43.571 W

Bottom

Lat: ° 31.542 N
Lon: ° 43.572 W

End

Lat: ° 31.529 N
Lon: ° 43.561 W

Extra comments:

Water Properties Group

Program STN List: All Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

GC38

Event #:

312

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

03 | 08 | 2020

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	SFC-EEM	SFC-DOC	SFC-DOC	SPC	
1	1	1147	mid	125		x	x						x	x	x		
2	2	1148	0	13		x	x	x					x	x	x		
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: 244 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0751	
Bottom	0756	
End	0803	

Positional Information
Start Lat: 53 ° 27.000 N
Lon: 128 ° 36.030 W

Bottom Lat: ° 26.990 N
Lon: ° 36.000 W

End Lat: ° 26.990 N
Lon: ° 35.990 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-069 Station: GC44 Event #: 314 Ship: JP Tully UTC Date (dd|mmm|yyyy): 03|08|2020

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	SFC-EEM	SFC-DM	SFC-DOC	SPC	
1	1	1149	b-5	391												xxx	
2	2	1150	b-5	391			x		x	x	x	x					
3	3	1151	50	50			x		x	x	x	x					
4	4	1152	0	2			x	x	x	x	x	x					
5	5	1153	0	2												xxx	
6	6	1154	0	2		x	x								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: 392 m
Transmisso Cleaned: Y N

Time	UTC	Local
Start	0916	
Bottom	0925	
End	0935	

Positional Information
Start
Lat: 53 ° 25.870 N
Lon: 128 ° 26.980 W

Bottom
Lat: ° 25.880 N
Lon: ° 26.940 W

End
Lat: ° 25.900 N
Lon: ° 26.900 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-069 Station: GC51 Event #: 315 Ship: JP Tully UTC Date (dd|mmm|yyyy): 03|08|2020

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC			
			✓																
1	1	1155	250	mid			x	x						x	x	x			
2	2	1156		0			x	x	x					x	x	x			
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: 481 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1030	
Bottom	1039	
End	1050	

Positional Information
Start
Lat: 53 ° 28.350 N
Lon: 128 ° 18.930 W

Bottom
Lat: ° 28.348 N
Lon: ° 18.950 W

End
Lat: ° 28.350 N
Lon: ° 18.940 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	SFC-EEM	SFC-DOC	SFC-DOC	SPC	
1	1	1157	b-5	261												xxx	
2	2	1158	b-5	261			x		x	x	x	x					
3	3	1159	mid	125		x	x						x	x	x		
4	4	1160	50	50			x		x	x	x	x					
5	5	1161	0	1.7		x	x						x	x	x		
6	6	1162	0	1.7			x	x	x	x	x	x					
7	7	1163	0	1.7												xxx	
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:

263 m

Transmisso Cleaned:

☒ Y ☐ N

Time

UTC

Local

Start

1156

Bottom

1202

End

1212

Positional Information

Start

Lat: 53 ° 25.700 N

Lon: 128 ° 05.420 W

Bottom

Lat: ° 25.700 N

Lon: ° 05.420 W

End

Lat: ° 25.693 N

Lon: ° 05.388 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	SFC-EEM	SFC-DM	SFC-DOC	SPC	
			✓															
1	1	1164	mid		100		x	x					x	x	x			
2	2	1165	0		6.7		x	x	x				x	x	x			
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: 222 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	1305	
Bottom	1311	
End	1318	

Positional Information

Start

Lat: 53 ° 20.660 N

Lon: 127 ° 59.680 W

Bottom

Lat: ° 20.660 N

Lon: ° 59.670 W

End

Lat: ° 20.660 N

Lon: ° 59.680 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-069

Station: GC74

Event #: 318

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 03|Aug|2020

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	SFC-EEM	SFC-DOM	SFC-DOC	SPC	
1		1166	b-5	✓ 130												xxx	
2		1167	b-5	✓ 130			x		x	x	x	x					
3		1168	mid-65	✓ 65		x	x						x	x	x		
4		1169	50	✓			x		x	x	x	x					
5		1170	0	✓		x	x					x	x	x			
6		1171	0	✓			x	x	x	x	x	x					
7		1172	0	✓												xxx	
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: 135 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1410	0710
Bottom	1412	0712
End	1424	0724

Positional Information

Lat:	53 ° 15.820	N
Lon:	127 ° 55.480	W

Start

Lat:	53 ° 15.810	N
Lon:	127 ° 55.470	W

Bottom

Lat:	53 ° 15.890	N
Lon:	127 ° 55.500	W

Extra comments:

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

KITLOPE

Event #:

319

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 03 | 08 | 2020

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	All_Samples						
			√	Pressure									SFC-EEM	SFC-DM	SFC-DOC	SPC			
1		1173	0			xx	x	x					x	x	x			SFC	
2		1174	0						x	x	x	x						Cindy rep 1	
3		1175	0						x	x		x						Cindy rep 2	
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Version: 28May2020

Profile type: Small boat
ROS TRM X-Niskin other?
Watchkeeper(s): SP/LP

Bottom Depth: _____ m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1506	
Bottom		
End		

Positional Information
Start
Lat: 53 ° 14.778 N
Lon: 127 ° 56.610 W

Bottom
Lat: ° N
Lon: ° W

End
Lat: ° N
Lon: ° W

Extra comments:
sampling river mouth by small boat.

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: All_Samples								Comments	
			Target	Confirmed	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	SFC-EEM		SFC-DOM	SFC-DOC	SPC			
			Pressure	√ Pressure																
1		1176	0		2.0		x	x	x						x	x	x			
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s):
C. Anderson

Bottom Depth: 39 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	2151	
Bottom	2153	
End	2154	

Positional Information

Start

Lat: 53 ° 32.190 N

Lon: 128 ° 59.920 W

Bottom

Lat: ° 32.190 N

Lon: ° 59.930 W

End

Lat: ° 32.180 N

Lon: ° 59.920 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

SC61

Event #:

329

Ship:

JP Tully

UTC Date (dd|mm|yyyy):

04 | 08 | 2020

Cruise ID:			2020-069	Station:	SC61	Event #:	177		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						
1	1	1177	b-5	496	x	x															
2	2	1178	b-5	496			x		x	x	x	x				xxx					
3	3	1179	b-5	496																	
4	4	1180	400	400	x	x															
5		1181	300	300	xx	x															
6	6	1182	250	250	x	x															
7		1183	200	200	x	x															
8	8	1184	150	150	x	x															
9	9	1185	100	100	x	xx															
10		1186	75	75	x	x															
11	11	1187	50	50	x	x															
12	12	1188	50	50			x		x	x	x	x									
13		1189	30	30	x	xx															
14	14	1190	20	20	xx	x		x													
15	15	1191	10	10	x	x		xx													
16		1192	5	5	x	x		x													
17		1193	0	1.5	x	x		x													
18		1194	0	1.5			x		xx	xx	x	x				xxx					
19	19	1195	0	1.5																	
20																					
21																					
22																					
23																					
24																					

Must be cleaned before each cast, do not use Ammonia products

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

Bottom Depth: 479 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0449	
Bottom	0500	
End	0523	

Positional Information
Start
Lat: 53 ° 12.674 N
Lon: 129 ° 25.136 W

Bottom
Lat: 53 ° 12.688 N
Lon: 129 ° 25.150 W

End
Lat: ° 12.720 N
Lon: ° 25.110 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:

2020-069

Station:

SC69

Event #:

~~17~~ 331

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 04|08|2020

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	1196	b-5	687	x	x													
2	2	1197	b-5	687			x		x	x	x	x							
3	3	1198	b-5	687											xxx				
4	4	1199	400	401	x	x													
5		1200	300	300	xx	xx													
6	6	1201	250	250	x	x													
7	7	1202	200	200	x	x													
8	8	1203	150	150	x	x													
9	9	1204	100	100	xx	x													
10		1205	75	75	x	x													
11		1206	50	50	x	x													
12	12	1207	50	50			x		x	x	x	x							
13		1208	30	30	x	xx													
14	14	1209	20	20	xx	x		x											
15	15	1210	10	10	x	x		x											
16		1211	5	5	x	x		xx											
17	17	1212	0	1.5	x	x		x											
18		1213	0	1.5			x		xx	xx	x	x							
19	17	1214	0	1.5											xxx				
20																			
21																			
22																			
23																			
24																			

Version: 28May2020

Transmissometer to be used for all samples

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

Bottom Depth: 684 m
 Transmissio Cleaned: Y / N

Time	UTC	Local
Start	0631	
Bottom	0645	
End	0713	

Positional Information

Lat:	53 ° 4.900	N
Lon:	129 ° 19.540	W

Bottom

Lat:	° 4.890	N
Lon:	° 19.590	W

End

Lat:	° 05.010	N
Lon:	° 19.880	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:

2020-069

Station:

HEC1

Event #:

337

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 24 | 08 | 2020

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		1215	b-5	✓	156	x	x												
2		1216	b-5	✓				x		x	x	x	x				xxx		
3		1217	b-5	✓															
4		1218	100	✓		x	x												
5		1219	75	✓		x	xx												
6		1220	50	✓		x	x												
7		1221	50	✓				x		x	x	x	x						
8		1222	30	✓		x	x												
9		1223	20	✓		xx	x												
10		1224	10	✓		x	x												
11		1225	5	✓		x	x									X			
12		1226	0	✓		x	x												
13		1227	0	✓				x		x	xx	x	x				xxx		
14		1228	0	✓															
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

LP

Bottom Depth: 150 m

Transmissio Cleaned: Y / N

Time	UTC	Local
Start	1352	
Bottom	1357	
End	1408	

Positional Information

Start
Lat: 52 ° 49.288 N
Lon: 129 ° 50.846 WBottom
Lat: 52 ° 49.229 N
Lon: 129 ° 50.840 WEnd
Lat: 52 ° 49.226 N
Lon: 129 ° 50.806 W

Extra comments:

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

Cruise ID: 2020-069

Station: TN-2

Event #: 341

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 04 | Aug | 2020

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	DNA	
1		1229	6-#5	195												xxx	edNA for Tammy Norgaard
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):
Lindsay

Bottom Depth: 195 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2355	
Bottom	2359	
End	0003	

Positional Information

Start

Lat: 52° 25.780 N

Lon: 126° 33.340 W

Bottom

Lat: 25.780 N

Lon: 33.310 W

End

Lat: 25.780 N

Lon: 33.340 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-069

Station: 16

Event #: 382

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 08 | 08 | 2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:					Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	SAL	CHL	DIC	Phyto	HPLC	DA	All_Samples		
1		1230	b-5	✓ 145.9	x	x			x						
2		1231	125	✓ 125.4	x	x			x						
3		1232	100	✓ 100.3	xx	x			x						
4		1233	75	✓ 75.4	x	x			x						
5		1234	50	✓ 50.5	x	xx			x						
6		1235	40	✓ 40.2	x	x			xx						
7		1236	30	✓ 30.5	x	x			x						
8		1237	20	✓ 20.2	x	x		x	x						
9		1238	10	✓ 10.4	xx	x		xx	x						
10		1239	5	✓ 5.2	x	x			x						
11		1240	0	✓ 1.9	x	x		x	x	x	xx				
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s):Bottom Depth: 150 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1156	
Bottom	1159	
End	1213	

Positional Information
Start
Lat: 49 ° 57.601 N
Lon: 125 ° 08.899 WBottom
Lat: ° 57.596 N
Lon: ° 08.902 WEnd
Lat: ° 57.60 N
Lon: ° 08.910 W

Extra comments:

Cruise ID: 2020-069			Station: 17		Date: 11/11/2020												Time: 11:00	
Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: All_Samples						Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	SAL	CHL	DIC	Phyto	HPLC	DA						
1	1	1241	b-5	✓	311.0	x	x											
2	2	1242	250	✓	250.4	x	x											
3	3	1243	200	✓	200.2	x	x											
4	4	1244	175	✓	175.1	xx	x											
5	5	1245	150	✓	150.0	x	xx											
6	6	1246	125	✓	125.0	x	x											
7	7	1247	100	✓	99.9	x	x											
8	8	1248	75	✓	75.1	x	x											
9	9	1249	50	✓	49.9	xx	x											
10	10	1250	40	✓	39.8	x	x											
11	11	1251	30	✓	30.0	x	x											
12	12	1252	20	✓	20.3	x	x			xx								
13	13	1253	10	✓	9.9	x	xx			x								
14	14	1254	5	✓	4.8	x	x			x								changed vent loring after cast
15	15	1255	0	✓	1.7	x	x			x		xx	x					
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s): 10

Bottom Depth: 313 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	1557	0957
Bottom	1602	0902
End	1619	0919

Positional Information

Start

Lat: 49 ° 53.060 N

Lon: 124 ° 59.720 W

Bottom

Lat: 49 ° 53.110 N

Lon: 124 ° 59.750 W

End

Lat: 49 ° 53.140 N

Lon: 124 ° 59.700 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

SOGN

Event #:

388

Ship:

JP Tully

UTC Date (dd mmm yyyy):

08 AUG 20

Cruise ID:			2020-069		Station:		SOSN		Event:											
Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: All_Samples					Comments			
			Target Pressure	Confirmed Pressure	OXY	Nut-F	SAL	CHL	DIC	Phyto	HPLC	DA	TOC	DOC	CDOM	O18				
1		1256	b-5	✓ 333	x	x							x	x	x	x		bottle 2 top didn't close so took samples from bottle #1		
2		1257	b-5	✓ 333									x	x	x	x				
3		1258	300	✓	x	x														
4		1259	250	✓	xx	x														
5		1260	200	✓	x	x														
6		1261	150	✓	x	xx														
7		1262	100	✓	x	x														
8		1263	75	✓	x	x														
9		1264	50	✓	xx	x														
10		1265	50	✓									x	x	x	x				
11		1266	30	✓	x	x														
12		1267	20	✓	x	xx			x											
13		1268	10	✓	x	x			xx											
14		1269	5		x	x			x											
15		1270	0		x	x			x											
16		1271	0										xx	xx	x	x				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

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

Bottom Depth: 336 m
Transmisso Cleaned: Y N

Time	UTC	Local
Start	1740	1040
Bottom	1747	1047
End	1805	1105

Positional Information

Lat:	49 °	49.934	N
Lon:	124 °	52.218	W

Bottom

Lat:	49 °	49.918	N
Lon:	124 °	52.232	W

End

Lat:	49 °	49.890	N
Lon:	124 °	52.231	W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

9

Event #:

394

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 07 Aug 2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: All_Samples				Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	SAL	CHL	DIC	Phyto	HPLC	DA			
1		1288	b-5	162		x									
2		1289	150	150		x									
3		1290	100	100		x									
4		1291	75	75		xx									
5		1292	50	50		x									
6		1293	40	40		x									
7		1294	30	30		x									
8		1295	20	20		x		x							
9		1296	10	10		xx		xx							
10		1297	5	5		x									
11		1298	0	1.7		x		x		x	xx				
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

	UTC	Local
Start	0052	
Bottom	0059	
End	0109	

Positional Information

Lat:	49° 35.540	N
Lon:	124° 38.310	W

Lat:	° 35.550	N
Lon:	° 38.320	W

Lat:	° 35.550	N
Lon:	° 38.340	W

Extra comments:

Cruise ID: 2020-069

Station: 12

Event #: 393

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 08|Aug|2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: All_Samples					Comments			
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	SAL	CHL	DIC	Phyto	HPLC	DA						
1		1272	b-5		348	x	x											
2		1273	300		300	x	x											
3		1274	250		250	x	x											
4		1275	200		200	x	x											
5		1276	175		175	xx	x											
6		1277	150		150	x	xx											
7		1278	125		125	x	x											
8		1279	100		100	x	x											
9		1280	75		75	x	x											
10		1281	50		50	xx	x											
11		1282	40		40	x	x											
12		1283	30		30	x	x											
13		1284	20		20	x	x			x								
14		1285	10		10	x	xx			xx								
15		1286	5		5	x	x											
16		1287	0		2	x	x			x	xx	x						
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s):
L. Nelson

Bottom Depth: 350 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2246	
Bottom	2255	
End	2314	

Positional Information

Start

Lat: 49° 43.580 N

Lon: 124° 40.950 W

Bottom

Lat: 43.560 N

Lon: 40.980 W

End

Lat: 43.540 N

Lon: 41.000 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

6

Event #:

396

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

09 | 08 | 2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:				All_Samples				Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	SAL	CHL	DIC	Phyto	HPLC	DA							
1	1	1299	b-5	188		x													
2	2	1300	150	150		x													
3	3	1301	100	101		xx													
4	4	1302	75	75		x													
5	6	1303	50	50		x													
6	7	1304	40	40		x													
7	8	1305	30	30		x													
8	9	1306	20	20		xx		xx											
9	10	1307	10	10		x		x											
10	11	1308	5	5		x													
11	12	1309	0	2		x		x		x	xx								
12																			
13																			
14																			
15																			
16			5/6 tripped @ 50m																
17			-will omit bottle 51x																
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

CH

Bottom Depth:

192

m

Transmisso Cleaned:

Y / N

Time

UTC

Local

Start

0226

Bottom

0232

End

0248

Positional Information

Lat:

49 ° 30.740 N

Lon:

124 ° 27.830 W

Bottom

Lat:

49 ° 30.740 N

Lon:

° 27.830 W

End

Lat:

° 30.740 N

Lon:

° 27.770 W

Extra comments:

how did I miss 8 bottles 5 ?? where did 5 fire. Did 2 find 50m?

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

3

Event #:

398

Ship:

JP Tully

UTC Date (dd/mm/yyyy):

09/08/2020

Niskin #	Firing #	Sample #	Target Pressure	Confirmed		OXY	Nut-F	SAL	CHL	DIC	Phyto	HPLC	DA						
				✓	Pressure														
1	1	1310	b-5		318		x												
2	2	1311	250		250		x												
3	3	1312	200		200		x												
4	4	1313	175		175		xx												
5	5	1314	150		150		x												
6	6	1315	125		125		x												
7	7	1316	100		100		x												
8	8	1317	75		75		x												
9	9	1318	50		50		x												
10	10	1319	40		40		xx												
11	11	1320	30		30		x												
12	12	1321	20		20		x		xx										
13	13	1322	10		10		x		x										
14	14	1323	5		5		x		x										
15	15	1324	0		2		x		x		x	xx							
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 322 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0442	
Bottom	0450	
End	0511	

Positional Information
Start
Lat: 49 ° 26.590 N
Lon: 124 ° 20.210 W

Bottom
Lat: ° 26.600 N
Lon: ° 20.210 W

End
Lat: ° 26.580 N
Lon: ° 20.210 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

27

Event #:

405

Ship:

JP Tully

UTC Date (dd:mmm:yyyy):

09/08/2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: All_Samples					Comments				
			Target Pressure	Confirmed Pressure	OXY	Nut-F	SAL	CHL	DIC	Phyto	HPLC	DA							
1	1	1340	b-5	344	x	x			x										
2	2	1341	300	300	xx	x			x										
3	3	1342	250	250	x	x			x										
4	4	1343	200	200	x	xx			x										
5	5	1344	175	175	x	x			x										
6	6	1345	150	150	x	x			xx										
7	7	1346	125	125	x	x			x										
8	8	1347	100	100	x	x			x										
9	9	1348	75	75	x	x			x										
10	10	1349	50	50	xx	x			x										
11	11	1350	40	40	x	x			x										
12	12	1351	30	30	x	xx			x										
13	13	1352	20	20	x	x		x	xx										
14	14	1353	10	10	x	x		x	x										
15	15	1354	5	5	x	x			x										
16	16	1355	0	2	x	x		xx	x	x	xx	x							
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 347 m
Transmisso Cleaned: Y I N

Time	UTC	Local
Start	1108	
Bottom	1116	
End	1138	

Positional Information
Start
Lat: 49 ° 19.006 N
Lon: 123 ° 47.984 W

Bottom
Lat: ° 19.000 N
Lon: ° 47.990 W

End
Lat: ° 19.036 N
Lon: ° 48.066 W

Extra comments:

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID:

2020-069

Station:

39

Event #:

408

Ship:

JP Tully

UTC Date (dd mmm/yyyy):

09 Aug 2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: All_Samples					Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	SAL	CHL	DIC	Phyto	HPLC	DA			
1		1373	b-5	374		x									
2		1374	300	300		x									
3		1375	250	250		x									
4		1376	200	200		x									
5		1377	175	175		x									
6		1378	150	151		xx									
7		1379	125	125		x									
8		1380	100	100		x									
9		1381	75	75		x									
10		1382	50	50		x									
11		1383	40	40		x									
12		1384	30	30		x									
13		1385	20	20		x		x							
14		1386	10	10		xx		xx							
15		1387	5	5.3		x									
16		1388	0	2.0		x		x		x	xx	x			
17															
18															
19															
20															
21															
22															
23															
24															

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

Bottom Depth: 37.7 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1521	
Bottom	1529	
End	1548	

Positional Information
Start
Lat: 49 ° 09.710 N
Lon: 123 ° 33.120 W

Bottom
Lat: ° 09.720 N
Lon: ° 33.090 W

End
Lat: ° 09.720 N
Lon: ° 33.090 W

Extra comments: