

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	HAK-DIC			SPC	
1		1	b-5	✓ 157	x	x											
2		2	b-5	✓ 157			x		x	x	x	x					
3		3	100	✓ 100	x	x	xx										
4		4	75	✓ 75	x	xx	x										
5		5	50	✓ 50	x	x											
6		6	50	✓ 50			x		x	x	x	x					
7		7	30	✓ 30	x	x	x										
8		8	20	✓ 20	xx	x	x	x									
9		9	10	✓ 10	x	x	x	xx									
10		10	5	✓ 5	x	x	x	x									
11		11	0	✓ 1	x	x		x									
12		12	0	✓ 1			x		x	x	x	x					
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Watchkeeper(s): SM/RT/SS

Bottom Depth: 166 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1000	0300
Bottom	1007	
End	1017	

Positional Information

Start

Lat: 52 ° 49.319 N

Lon: 129 ° 50.946 W

Bottom

Lat: 52 ° 49.337 N

Lon: 129 ° 50.890 W

End

Lat: 52 ° 49.330 N

Lon: 129 ° 50.910 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: All Samples										Comments
			Target	Confirmed	MG/SP	SP	MG	SP											
			Pressure	✓ Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	HAK-DIC			SPC			
1		13	b-5	✓	684	x	x	xx										bottom cap was	
2		14	600	✓		x	x	x										slightly loose	
3		15	500	✓		xx	xx	x										& leaking	
4		16	400	✓		x	x	x											
5		17	300	✓		xx	xx	x											
6		18	250	✓		x	x	x											
7		19	200	✓		x	x	x											
8		20	150	✓		x	x	x											
9		21	100	✓		x	x	x											
10		22	75	✓		x	x	x											
11		23	50	✓		x	x	x											
12		24	30	✓		x	xx	x											
13		25	20	✓		xx	x	x	x										
14		26	10	✓		x	x	x	x										
15		27	5	✓		x	x	x	xx										
16		28	0	✓		x	x	x	x										
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s): SP

Bottom Depth: 690 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1643	0943
Bottom	1655	0955
End	1722	1022

Positional Information

Lat: 53 ° 4.830 N

Lon: 129 ° 19.530 W

Lat: 53 ° 4.830 N

Lon: 129 ° 19.420 W

Lat: 53 ° 4.800 N

Lon: 129 ° 19.370 W

Extra comments:

Water Properties Group

**Program
STN List:**

All Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

SC61

Event #:

25

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 09 | 10 | 20

Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists: All Samples				Comments	
Target Pressure	Confirmed Pressure	MC/GC	GC	MC/SP	MG	SP	SP	SP	SP						
	✓	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	HAK-DIC				85	SPC
b-5	✓	501	x	x											
b-5	✓	501			x		x	x	x	x					
b-5	✓	501											xxx		
400	✓	401	x	x											
300	✓	300	xx	x											
250	✓	250	x	x											
200	✓	200	x	x											
150	✓	150	x	x											
100	✓	100	x	xx											
75	✓	75	x	x											
50	✓	50	x	x											
50	✓	50			x		x	xx	x	x					
30	✓	30	x	xx											
20	✓	20	xx	x		x									
10	✓	10	x	x		x									
5	✓	5	x	x		xx									
0	✓	1.0	x	x		x									
0	✓	1.1			x		xx	x	xx	xx					
0	✓	1.1											xxx		

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

Bottom Depth: 511 m

Transmisso Cleaned: Y / N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	2336	1636
Bottom	2347	
End	0009	

Positional Information

Lat: 53 ° 12.630

Lon: 129 ° 25.090

Lat: 53 ° 12.650

Lon: 129 ° 25.650

Lat: 53 ° 12 611

Lon: 129° 25.010

Extra comments:

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

HECS4

Event #:

34

Ship:

JP Tully

UTC Date (dd mmm yyyy): 10 Oct 2020

Cruise ID: 2020-065 Station: 12004			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	HAK-DIC			SPC		
1		48	b-5	✓ 108	x	x												
2		49	b-5	✓ 108			x		x	x	x	x						
3		50	b-5	✓ 108												xxx		
4		51	75	✓ 74	x	x												
5		52	50	✓ 50	x	x												
6		53	50	✓ 50			x		x	x	x	x						
7		54	30	✓ 30	xx	x												
8		55	20	✓ 20	x	x		xx										
9		56	10	✓ 10	x	xx		xx										
10		57	5	✓ 5	x	x		xx										
11		58	0	✓ 1	x	x		xx										
12		59	0	✓ 1			x		xx	xx	xx	xx						
13		60	0	✓ 1												xxx		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:

(ROS) TRM X-Niskin other?

Watchkeeper(s): SL/SS/RT

Bottom Depth: 114 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	0928	0828
Bottom	0935	
End	0944	

Positional Information

Start	Lat: 53 ° 48.202 N
	Lon: 130 ° 49.466 W

Bottom	Lat: 53 ° 48.216 N
	Lon: 130 ° 49.453 W

End	Lat: 53 ° 48.250 N
	Lon: 130 ° 49.414 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: All_Samples							Comments
			Target Pressure	Confirmed ✓ Pressure	MG/GC	GC	SAL	CHL	TOC	DOC	CDOM	O18	HAK-DIC			SPC	
1		61	b-5	✓	118	x	x										
2		62	b-5	✓	118			x		x	x	x	x				
3		63	b-5	✓	118											xxx	
4		64	100	✓		xx	x										
5		65	75	✓		x	x										
6		66	50	✓		x	x										
7		67	50	✓				x		x	x	x	x				
8		68	30	✓		x	xx										
9		69	20	✓		x	x			x							
10		70	10	✓		x	x			x							
11		71	5	✓		x	x			x							
12		72	0	✓		x	x			xx							
13		73	0	✓				x		x	x	x	x				
14		74	0	✓												xxx	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SM/NA/RS

Bottom Depth: 124 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1342	0642
Bottom	1347	0647
End	1358	0658

Positional Information

Start

Lat: 54 ° 13.790 N

Lon: 131 ° 2.100 W

Bottom

Lat: 54 ° 13.830 N

Lon: 131 ° 2.090 W

End

Lat: 54 ° 13.900 N

Lon: 131 ° 2.010 W

Extra comments:

Cruise ID: 2020-083

Station: HECS8

Event #: 40

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 10 | 10 | 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	HAK-DIC			SPC	
1	1	75	b-5	✓ 110	x	x											
2	2	76	b-5	✓ 111			x		x	x	x	x					
3	3	77	b-5	✓ 110												xxx	
4	4	78	75	✓ 75	x	x											
5	5	79	50	✓ 50	x	x											
6	6	80	50	✓ 50			x		x	x	x	x					
7	7	81	30	✓ 30	x	xx											
8	8	82	20	✓ 20	x	x		x									
9	9	83	10	✓ 10	x	x		x									
10	10	84	5	✓ 4.6	xx	x		x									
11	11	85	0	✓ 1.3	x	x		xx									
12	12	86	0	✓ 1.3			x		x	x	x	x					
13	13	87	0	✓ 1.9												xxx	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): GC/HB

Bottom Depth: 115 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1531	831
Bottom	1534	
End	1545	

Positional Information

Start

Lat: 54 ° 23.130 N

Lon: 131 ° 05.450 W

Bottom

Lat: 54 ° 23.140 N

Lon: 131 ° 05.450 W

End

Lat: 54 ° 23.150 N

Lon: 131 ° 05.410 W

Extra comments:

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-DOC		SPC	
1		88	0					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: 570 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1859	1159
Bottom	1908	
End	1918	

Positional Information

Start
Lat: 54 ° 41.390 N
Lon: 130 ° 55.530 W

Bottom
Lat: ° 41.40 N
Lon: ° 55.47 W

End
Lat: 54 ° 41.360 N
Lon: 130 ° 55.49 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		89	B-5	✓	332		x											
2		90	b-5	✓	332			x		x	x	xx	x					
3		91	b-5	✓	332												xxx	
4		92	300	✓			x											
5		93	250	✓			x											
6		94	200	✓			x											
7		95	150	✓			xx											
8		96	100	✓			x											
9		97	75	✓			x											
10		98	50	✓			xx											
11		99	50	✓				x		x	xx	x	x					
12		100	30	✓			x											
13		101	20	✓			x		x									
14		102	10	✓			x		x									
15		103	5	✓			x		x									
16		104	0	✓			x	x	xx				x	x	x			
17		105	0	✓						xx	x	x	xx					
18		106	0	✓													xxx	
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s): SP

Bottom Depth: 328 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2105	1405
Bottom	2110	1410
End	2129	1429

Positional Information

Start

Lat: 54 ° 39.766 N

Lon: 130 ° 38.183 W

Bottom

Lat: 54 ° 39.779 N

Lon: 130 ° 38.150 W

End

Lat: 54 ° 39.770 N

Lon: 130 ° 38.081 W

Extra comments:

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-DOM	SFC-DOC	SPC		
1		107	b-5	✓	248		x											
2		108	200	✓			x											
3		109	150	✓			xx											
4		110	100	✓			x											
5		111	75	✓			x											
6		112	50	✓			x											
7		113	30	✓			x											
8		114	20	✓			x											
9		115	10	✓			xx											
10		116	5	✓			x											
11		117	0	✓			x											
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: 250 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2217	1517
Bottom	2221	1521
End	2236	1536

Positional Information

Start

Lat: 54 ° 34.930 N

Lon: 130 ° 31.960 W

Bottom

Lat: 54 ° 35.000 N

Lon: 130 ° 31.940 W

End

Lat: 54 ° 35.040 N

Lon: 130 ° 31.830 W

Extra comments:

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-DM	SFC-DOC	SPC		
			Pressure	✓ Pressure														
1		118	b-5	✓	137		x											
2		119	b-5	✓	137			x		x	x	x	x					
3		120	b-5	✓	137											xxx		
4		121	100	✓			x											
5		122	75	✓			x											
6		123	50	✓			x											
7		124	50	✓			x											
8		125	30	✓				x		x	x	x	x					
9		126	20	✓			xx		x									
10		127	10	✓			x		x									
11		128	5	✓			x		xx									
12		129	0	✓			x		x									
13		130	0	✓				x		x	xx	x	x					
14		131	0	✓												xxx		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s): SP

Bottom Depth: 145 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2309	1609
Bottom	2311	1611
End	2323	2323

Positional Information

Lat: 54 ° 33.710 N

Lon: 130 ° 37.520 W

▼

Lat: 54 ° 33.660 N

Lon: 130 ° 37.570 W

▼

Lat: ° 33.660 N

Lon: ° 37.570 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

CH04

Event #:

48

Ship:

JP Tully

UTC Date (dd mmm yyyy):

10 OCT 2020

2020-083		Station:		CH04		Event #		112		Date		7/1/20		Time		11:20		Lat		41.88		Long		-87.62		Depth		10m		SFC		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0		10.0	
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Profile type:

☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s):

SP

Bottom Depth: 87 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2356	1656
Bottom	2358	1658
End	0005	1705

Positional Information

Start
Lat: 54° 32.410' N
Lon: 130° 43.530' W

Bottom
Lat: 32.410' N
Lon: 43.530' W

End
Lat: 32.400' N
Lon: 43.510' W

Extra comments:

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		140	b-5	✓	139		x											
2		141	b-5	✓	139			x		x	x	x	x					
3		142	b-5	✓	139											xxx		
4		143	100	✓			x											
5		144	75	✓			x											
6		145	50	✓			x											
7		146	50	✓			x											
8		147	30	✓				x		x	x	x	x					
9		148	20	✓			xx		x									
10		149	10	✓			x		x									
11		150	5	✓			x		xx									
12		151	0	✓			x		x									
13		152	0	✓				x		x	xx	x	x					
14		153	0	✓												xxx		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s): SP

Bottom Depth: 145 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0140	1840
Bottom	0143	1843
End	0152	1852

Positional Information

StartLat: 54 ° 31.160 N
Lon: 130 ° 34.920 W

BottomLat: 54 ° 31.170 N
Lon: 130 ° 34.920 W

EndLat: 54 ° 31.180 N
Lon: 130 ° 34.950 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

Chat3

Event #:

51

Ship:

JP Tully

UTC Date (dd mmm yyyy): 11 Oct 2020

Event #.		Ship: JP Tully		UTC Date (dd m														
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-DO	SFC-DOC	SPC		
1		154	b-5	✓	158	x	x							x				
2		155	b-5	✓	158			x		x	x	x	x					
3		156	b-5	✓	158													
4		157	100	✓	100	x	x										xxx	
5		158	75	✓	75	x	x							x				
6		159	50	✓	50	x	xx	x						x				
7		160	50	✓	50			x		x	x	x	x	xx				
8		161	40	✓	40	x	x	x										
9		162	30	✓	30	xx	x	x						x				
10		163	20	✓	20	x	x		x					xx				
11		164	10	✓	10	x	xx		xx					x				
12		165	5	✓	5	x	x		x					x				
13		166	0	✓	1	x								x				
14		167	0	✓	1		x	x	x							x		
15		168	0	✓	1			x		x	x	x	x					
16		169	0	✓	1												xxx	
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Version: 26May2020

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

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): 82

Bottom Depth: 165 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	0223	1923
Bottom	0230	
End	0241	

Positional Information

Start	Lat: 54 ° 31.620 N
	Lon: 130 ° 32.660 W

Bottom

	Lat: 54 ° 31.600 N
	Lon: 130 ° 32.690 W

End

	Lat: 54 ° 31.590 N
	Lon: 130 ° 32.700 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: All Samples							Comments
			Target Pressure	Confirmed														
				✓	Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	DIC	SFC-DO	SFC-DOC	SPC	
1		170	b-5	✓	90		x											
2		171	75	✓	75		x											
3		172	50	✓	50		x											
4		173	30	✓	30		x											
5		174	20	✓	20		x											
6		175	10	✓	10		xx											
7		176	5	✓	5		x											
8		177	0	✓	1		x											
9																		
10																		
11																		
12																		
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20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SM

Bottom Depth: 96 m

Transmisso Cleaned: ☒ N

Time	UTC	Local
Start	0336	1936
Bottom	0340	
End	0348	

Positional Information

Start

Lat: 54 ° 31.560 N

Lon: 130 ° 30.870 W

Bottom

Lat: 54 ° 31.560 N

Lon: 130 ° 30.860 W

End

Lat: 54 ° 31.560 N

Lon: 130 ° 30.860 W

Extra comments:

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	DIC	SFC-DO	SFC-DOC	SPC			
			Pressure	✓ Pressure															
1		178	b-5	}	127		x												
2		179	b-5		127			x		x	x	x	x						
3		180	b-5		127													xxx	
4		181	100	}	100		x												
5		182	75		75		x												
6		183	50		50		x												
7		184	50	}	50		x												
8		185	30		30			x		xx	x	x	x						
9		186	20		20		xx		x										
10		187	10	}	10		x		x										
11		188	5		5		x		xx										
12		189	0		1		x		x										
13		190	0	}	1			x		x	xx	x	x						
14		191	0		1													xxx	
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SM

Bottom Depth: 133 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0425	2025
Bottom	0430	
End	0439	

Positional Information

Start

Lat: 54 ° 26.927 N

Lon: 130 ° 33.046 W

Bottom

Lat: 54 ° 26.932 N

Lon: 130 ° 33.002 W

End

Lat: 54 ° 26.917 N

Lon: 130 ° 33.006 W

Extra comments:

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

CH10

Event #:

54

Ship:

JP Tully

UTC Date (dd mmm yyyy): 11 Oct 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	SFC-DO	SFC-DOC	SPC	
1		192	b-5	80		x											
2		193	50	49		x											
3		194	30	30		x											
4		195	20	20		xx											
5		196	10	10		x											
6		197	5	5		x											
7		198	0	1		x											
8																	
9																	
10																	
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24																	

Profile type:

☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): 82

Bottom Depth: 85 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0517	2117
Bottom	0525	
End	0532	

Positional Information

Start	Lat:	54 ° 26.840 N
	Lon:	130 ° 39.370 W
Bottom	Lat:	54 ° 26.840 N
	Lon:	130 ° 39.340 W
End	Lat:	54 ° 26.830 N
	Lon:	130 ° 39.320 W

Extra comments:

Water Properties Group

Program
STN List: Ail_Stns

Sampling Log

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

Cruise ID: 2020-083

Station: CH13

Event #: 55

Ship: JP Tully

UTC Date (dd mmm yyyy): 11 Oct 2020

Ship: _____		SP: Fully _____		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	DIC	SFC-DO	SFC-DOC	SPC			
1		199	b-5	✓ 137		x													
2		200	150	✓ 150		x												Not Sampled Not at depth	
3		201	100	✓ 100		x													
4		202	75	✓ 75		xx													
5		203	50	✓ 50		x													
6		204	30	✓ 30		x													
7		205	20	✓ 20		x													
8		206	10	✓ 10		x													
9		207	5	✓ 5		xx													
10		208	0	✓ 1		x													
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): SM

Bottom Depth: 144 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0612	2312
Bottom	0619	
End	0628	

Positional Information

Start	Lat: 54 ° 23.110 N
	Lon: 130 ° 39.090 W

Bottom

Lat: 54 ° 23.090 N
Lon: 130 ° 39.120 W

End

Lat: 54 ° 23.100 N
Lon: 130 ° 39.070 W

Extra comments:

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	DIC	SFC-DM	SFC-DOC	SPC			
			Pressure	✓ Pressure															
1		209	b-5	✓	131		x												
2		210	b-5	✓	131			x		x	x	x	x						
3		211	b-5	✓	131												xxx		
4		212	100	✓	100		x												
5		213	75	✓	75		xx												
6		214	50	✓	50		x												
7		215	50		50		x												
8		216	30	✓	30			x		x	x	x	x						
9		217	20	✓	20		x		x										
10		218	10	✓	10		x		xx										
11		219	5	✓	5		x		x										
12		220	0	✓	1		x		x										
13		221	0		1			x		xx	xx	xx	xx						
14		222	0		1												xxx		
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s): 

Bottom Depth: 137 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0659	2359
Bottom	0704	
End	0715	

Positional Information

Start

Lat: 54 ° 23.614 N

Lon: 130 ° 34.046 W

Bottom

Lat: 54 ° 23.614 N

Lon: 130 ° 34.042 W

End

Lat: 54 ° 23.665 N

Lon: 130 ° 33.912 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-083

Station: CH17

Event #: 57

Ship: JP Tully

UTC Date (dd mmm yyyy): 11 Oct 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			223	b-5	✓	85		x												
2			224	75	✓	75		x												
3			225	50	✓	50		xx												
4			226	30	✓	30		x												
5			227	20	✓	20		x												
6			228	10	✓	10		x												
7			229	5	✓	5		x												
8			230	0	✓	1		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 next use

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

Bottom Depth: 91 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	0751	0051
Bottom	0754	
End	0805	

Positional Information

Start	Lat: 54 ° 20.520 N
	Lon: 130 ° 33.180 W

Bottom

Lat: 54 ° 20.510 N
Lon: 130 ° 33.190 W

End

Lat: 54 ° 20.460 N
Lon: 130 ° 33.160 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: All_Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	DIC		SPC			
1		231	b-5	202	x	x	x						x					
2		232	b-5	202					x	x	x	x						
3		233	b-5	202											xxx			
4		234	150	150	x	x	x						x					
5		235	100	100	x	xx	x						x					
6		236	75	75	x	x	x						x					
7		237	50	50	xx	x	x						x					
8		238	50	50					x	x	xx	x						
9		239	30	30	x	x	x						xx					
10		240	20	20	x	x	x						x					
11		241	10	10	x	x	x						x					
12		242	5	5	x	x	x						x					
13		243	0	1	x	x	x						x					
14		244	0	1					xx	x	x	x						
15		245	0	1											xxx			
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s): SW

Bottom Depth: 210 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0848	0148
Bottom	0854	
End	0908	

Positional Information

Start

Lat: 54 ° 19.860 N

Lon: 130 ° 37.210 W

Bottom

Lat: 54 ° 19.880 N

Lon: 130 ° 37.150 W

End

Lat: 54 ° 19.880 N

Lon: 130 ° 37.080 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

CH15

Event #:

60

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 11 Oct 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		SPC		
1		246	b-5	✓	132			x									
2		247	150	✓	150			x									
3		248	100	✓	100			x									
4		249	75	✓	75			x									
5		250	50	✓	50			xx									
6		251	30	✓	30			x									
7		252	20	✓	20			x									
8		253	10	✓	10			x									
9		254	5	✓	5			x									
10		255	0	✓	1			x									
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 188 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1127	0427
Bottom	1135	
End	1148	

Positional Information

Start
Lat: 54 ° 18.380 N
Lon: 130 ° 42.650 W

Bottom
Lat: 54 ° 18.360 N
Lon: 130 ° 42.650 W

End
Lat: 54 ° 18.410 N
Lon: 130 ° 42.690 W

Extra comments:

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

CH14

Event #:

61

Ship:

JP Tully

UTC Date (dd/mmm/yyyy): 11 Oct 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	SPC			
1		256	b-5	✓	126	x											
2		257	b-5	✓	126		x		x	x	x	x					
3		258	b-5	✓	126									xxx			
4		259	100	✓	101	x											
5		260	75	✓	74	xx											
6		261	50	✓	50	x											
7		262	50	✓	50		x		x	x	x	x					
8		263	30	✓	30	x		x									
9		264	20	✓	20	x		x									
10		265	10	✓	10	x		x									
11		266	5	✓	5	x		xx									
12		267	0	✓	2	x		x									
13		268	0	✓	2		x		xx	x	x	x					
14		269	0	✓	2									xxx			
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:

(ROS) TRM X-Niskin other?

Watchkeeper(s): SW

Bottom Depth: 134 m

Transmisso Cleaned: (Y) N

Time UTC Local

Start 1230 0530

Bottom 1237

End 1247

Positional Information

Lat: 54 ° 20.470 N

Lon: 130 ° 49.930 W

Lat: 54 ° 20.440 N

Lon: 130 ° 49.930 W

Lat: 54 ° 20.380 N

Lon: 130 ° 49.920 W

Extra comments:

Cruise ID: 2020-083

Station: Chat2

Event #: 62

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 11 | 10 | 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	SFC-DO	SFC-DOC	SPC	
1	1	270	b-5	✓ 177	x	x							x				
2	2	271	b-5	✓ 177			x		x	x	x	x					
3	3	272	b-5	✓ 177												xxx	
4	4	273	150	✓	x	x							x				
5	5	274	100	✓	x	x							x				
6	6	275	75	✓	x	x							x				
7	7	276	50	✓	x	xx							x				
8	8	277	50	✓			x		x	x	x	x					
9	9	278	40	✓	x								x				
10	10	279	30	✓	xx	x							x				
11	11	280	20	✓	x	x		x					xx				
12	12	281	10	✓	x	xx		xx					x				
13	13	282	5	✓	x	x		x					x				
14	14	283	0	✓	x	x		x					x				
15	15	284	0	✓			x		x	x	x	x					
16	16	285	0	✓												xxx	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Watchkeeper(s): GL

Bottom Depth: 181 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1431	0731
Bottom	1435	
End	1450	

Positional Information

Start

Lat: 54 ° 16.074 N

Lon: 130 ° 46.380 W

Bottom

Lat: 54 ° 16.067 N

Lon: 130 ° 46.369 W

End

Lat: 54 ° 16.040 N

Lon: 130 ° 46.332 W

Extra comments:

Water Properties Group

Cruise ID: 2020-083

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	SPC		
1			286	b-5	✓		x										
2			287	100	✓		x										
3			288	75	✓		x										
4			289	50	✓		xx										
5			290	30	✓		x										
6			291	20	✓		x										
7			292	10	✓		x										
8			293	5	✓		x										
9			294	0	✓		x										
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Program STN List: All_Stns

Station: CH20

Event #: 63

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 11 OCT 2020

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 158 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	1539	0839
Bottom	1542	0842
End	1551	0851

Positional Information

Start

Lat: 54 ° 13.580 N

Lon: 130 ° 43.630 W

Bottom

Lat: ° 13.590 N

Lon: ° 43.670 W

End

Lat: ° 13.550 N

Lon: ° 43.680 W

Extra comments:

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

CH21

Event #:

65

Ship:

JP Tully

UTC Date (dd/mmm/yyyy):

11 Oct 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	SPC			
1		295	b-5	✓ 118		x											
2		296	b-5	✓ 118			x		x	x	x	x					
3	17	297	b-5	✓ 118										xxx			
4		298	100	✓		x											
5		299	75	✓		x											
6		300	50	✓		xx											
7		301	50	✓			x		x	x	x	x					
8		302	30	✓		x											
9		303	20	✓		x											
10		304	10	✓		x											
11		305	5	✓		x											
12		306	0	✓		x											
13		307	0	✓			x		x	xx	xx	x					
14	18	308	0	✓										xxx			
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:

ROS ☒ IRM ☐ X-Niskin ☐ other?

Watchkeeper(s):

SP

Bottom Depth: 124 m

Transmisso Cleaned: ☒ Y ☐ N

Time UTC Local

Start 1647 0947

Bottom 1650 0950

End

Positional Information

Start Lat: 54 ° 11.900 N

Lon: 130 ° 39.310 W

Bottom Lat: ° 11.960 N

Lon: ° 39.290 W

End Lat: ° N

Lon: ° W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: All_Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	DIC		SPC			
1		309	b-5	✓	122		x											
2		310	100	✓			x											
3		311	75	✓			xx											
4		312	50	✓			x											
5		313	30	✓			x											
6		314	20	✓			x											
7		315	10	✓			x											
8		316	5	✓			x											
9		317	0	✓			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): SP

Bottom Depth: 129 m

Transmisso Cleaned: ☒ N

Time	UTC	Local
Start	1737	1037
Bottom	1739	1039
End	1750	1050

Positional Information

Start

Lat: 54° 9.970 N

Lon: 130° 35.140 W

Bottom

Lat: ° 9.970 N

Lon: ° 35.150 W

End

Lat: ° 9.950 N

Lon: ° 35.150 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-083

Station: CH24

Event #: 67

Ship: JP Tully

UTC Date (dd mmm yyyy): 11 OCT 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	SPC	
1		318	b-5	✓ 88		x									
2		319	75	✓		xx									
3		320	50	✓		x									
4		321	30	✓		x									
5		322	20	✓		x									
6		323	10	✓		x									
7		324	5	✓		x									
8		325	0	✓		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: 93 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1823	1123
Bottom	1825	1125
End	1832	1132

Positional Information

Start	Lat: 54° 7.660 N
	Lon: 130° 34.144 W
Bottom	Lat: ° 7.648 N
	Lon: ° 34.145 W
End	Lat: ° 7.618 N
	Lon: ° 34.130 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-DOM	SFC-DOC	SPC		
1		326	b-5	✓	112		x											
2		327	b-5	✓	112			x		x	x	x	x					
3	17	328	b-5	✓	112											xxx		
4		329	100	✓			x											
5		330	75	✓			x											
6		331	50	✓			xx											
7		332	50	✓				x		x	x	x						
8		333	50	✓			x	x					x	x	x			
9		334	30	✓			x											
10		335	20	✓			x		x									
11		336	10	✓			x		xx									
12		337	5	✓			x		x									
13		338	0	✓			x		x									
14		339	0	✓				x		x	xx	x	x					
15		340	0	✓			x	x	x				x	x	x			
16		341	0	✓												xxx		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 118 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1924	1224
Bottom	1926	1226
End	1936	1236

Positional Information

Start Lat: 54 ° 8.810 N

Start Lon: 130 ° 26.430 W

Bottom Lat: ° 8.820 N

Bottom Lon: ° 26.430 W

End Lat: ° 8.810 N

End Lon: ° 26.430 W

Extra comments:

Cruise ID: 2020-083

Station: Chat1

Event #: CHAT 169

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 11 | 10 | 20

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	DIC	SFC-DO	SFC-DOC	SPC		
1		342	b-5	✓	109	x	x											
2		343	b-5	✓				x		x	x	x	x					
3		344	b-5	✓												xxx		
4		345	100	✓	100	x	x											
5		346	75	✓	75	x	x											
6		347	50	✓	50	xx	x											
7		348	50	✓				x		x	x	x	x					
8		349	30	✓	30	x	xx											
9		350	20	✓	20	x	x											
10		351	10	✓	10	x	x											
11		352	5	✓	5	x	x											
12		353	0	✓	1.2	x												
13		354	0	✓				x		xx	x	xx	xx					
14		355	0	✓			x	x	x						x			
15		356	0	✓												xxx		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): MG

Bottom Depth: 117 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	2019	1319
Bottom	2022	
End	2035	

Positional Information

Start

Lat: 54 ° 12.050 N

Lon: 130 ° 27.152 W

Bottom

Lat: 54 ° 12.036 N

Lon: 130 ° 27.170 W

End

Lat: 54 ° 12.060 N

Lon: 130 ° 27.170 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-083

Station: CH23

Event #: 70

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 11 Oct 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		SPC		
1		357	b-5	✓ 95 ✓		x											
2		358	75	✓		x											
3		359	50	✓		x											
4		360	30	✓		xx											
5		361	20	✓		x											
6		362	10	✓		x											
7		363	5	✓		x											
8		364	0	✓		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: 10 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2125	1425
Bottom	2127	
End	2134	

Positional Information
Start Lat: 54° 11.490' N
Lon: 130° 23.340' W

Bottom Lat: ° 11.490' N
Lon: ° 23.332' W

End Lat: ° 11.480' N
Lon: ° 23.314' W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: All Samples				Comments		
			Target	Confirmed	MG	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	DIC	SPC			
			Pressure	✓ Pressure													
1	1	365	b-5	✓	56		x										
2		366	75				x										
3	2	367	50	✓	50		x										
4	3	368	30	✓	30		xx										
5	4	369	20	✓	20		x										
6	5	370	10	✓	10		x										
7	6	371	5	✓	5		x										
8	7	372	0	✓	1		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): MG

Bottom Depth: 61 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2214	1514
Bottom	2216	
End	2225	

Positional Information

Start

Lat: 54 ° 08.820 N

Lon: 130 ° 21.370 W

Bottom

Lat: 54 ° 08.830 N

Lon: 130 ° 21.360 W

End

Lat: 54 ° 08.830 N

Lon: 130 ° 21.360 W

Extra comments:

Cruise ID: 2020-083

Station: CH18

Event #: 72

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 11 | Oct | 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	1	383	b-5	✓ 34		x											
2	2	384	40 30	✓		x											
3	3	385	20	✓		x											
4	4	386	10	✓		xx											
5	5	387	5	✓		x											
6	6	388	0			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): GC

Bottom Depth: 38 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2343	1643
Bottom	2347	
End	2352	

Positional Information

Start

Lat: 54 ° 16.350 N

Lon: 130 ° 28.950 W

Bottom

Lat: 54 ° 16.350 N

Lon: 130 ° 28.950 W

End

Lat: 54 ° 16.340 N

Lon: 130 ° 28.950 W

Extra comments:

Had to restart computer due to software Sabird crash

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			SPC			
1		389	b-5	✓ 74		x												
2		390	b-5	✓ 74			x		x	x	x	x						
3		391	b-5	✓ 74											xxx			
4		392	50	✓		xx												
5		393	50	✓			x		x	x	x	x						
6		394	30	✓		x												
7		395	20	✓		x												
8		396	10	✓		x												
9		397	5	✓		x												
10		398	0	✓		x												
11		399	0	✓			x		xx	x	x	x						
12		400	0	✓											xxx			
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SP

Bottom Depth: 80 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0030	1730
Bottom	0031	
End	0038	

Positional Information

Start

Lat: 54 ° 15.220 N

Lon: 130 ° 35.610 W

Bottom

Lat: ° 15.230 N

Lon: ° 35.600 W

End

Lat: ° 15.250 N

Lon: ° 35.610 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			SPC		
1		401	B-5	✓	515	x	x										
2		402	b-5	✓	515			x		x	x	xx					
3		403	b-5	✓	515										xxx		
4		404	500	✓	500	xx	x	x									
5		405	400	✓	400	x	x	x									
6		406	300	✓	300	x	xx	x									
7		407	250	✓	250	x	x	x									
8		408	200	✓	200	x	x	x									
9		409	150	✓	150	x	x	x									
10		410	100	✓	100	x	x	x									
11		411	75	✓	75	x	x	x									
12		412	50	✓	50	x	x										
13		413	50	✓	50			x		xx	x	x	x				
14		414	30	✓	30	x	xx	x									
15		415	20	✓	20	x	x	x	x								
16		416	10	✓	10	xx	x	x	xx								
17		417	5	✓	5	x	x	x	x								
18		418	0	✓		x	x		x								
19		419	0	✓				x		x	xx	xx	x				
20		420	0	✓											xxx		
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SM

Bottom Depth: 527 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0313	0313
Bottom	0323	
End	0344	

Positional Information

Start

Lat: 54 ° 40.620 N

Lon: 130 ° 28.370 W

Bottom

Lat: 54 ° 40.560 N

Lon: 130 ° 28.350 W

End

Lat: 54 ° 40.620 N

Lon: 130 ° 28.400 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-DOM	SFC_DOC			
1		421	0	1		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): SW

Bottom Depth: 552 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0511	2111
Bottom	0525	
End	0534	

Positional Information

Start

Lat: 54 ° 43.757 N

Lon: 130 ° 24.434 W

Bottom

Lat: 54 ° 43.750 N

Lon: 130 ° 24.440 W

End

Lat: 54 ° 43.750 N

Lon: 130 ° 24.421 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-DOM	SFC_DOC	SPC		
1		422	B-5	✓ 455		x												
2		423	b-5	✓ 455			x		x	x	xx	x						
3		424	b-5	✓ 455												xxx		
4		425	400	✓ 400		xx												
5		426	300	✓ 300		x												
6		427	250	✓ 250		x												
7		428	200	✓ 200		x												
8		429	150	✓ 150		x												
9		430	100	✓ 100		x												
10		431	75	✓ 75		x												
11		432	50	✓ 50		x												
12		433	50	✓ 50			xx		xx	x	x	x						
13		434	30	✓ 30		x												
14		435	20	✓ 20		x		xx										
15		436	10	✓ 10		xx		x										
16		437	5	✓ 5		x		x										
17		438	0	✓ 1		x	x	x					x	x	x			
18		439	0	✓ 1					x	xx	x	x						
19		440	0	✓ 1												xxx		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SN

Bottom Depth: 454 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0708	0009
Bottom	0718	
End	0740	

Positional Information

Start

Lat: 54 ° 49.550 N

Lon: 130 ° 14.940 W

Bottom

Lat: 54 ° 49.550 N

Lon: 130 ° 14.870 W

End

Lat: 54 ° 49.620 N

Lon: 130 ° 14.720 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-DOM	SFC_DOC		
1		441	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: RO8 TRM X-Niskin other?

Watchkeeper(s): SN

Bottom Depth: 428 m

Transmisso Cleaned: 01 N

Time UTC Local

Start 0816 0216

Bottom 0027

End 0836

Positional Information

Start Lat: 54 ° 52.822 N Lon: 130 ° 11.107 W

Bottom Lat: 54 ° 52.805 N Lon: 130 ° 11.020 W

End Lat: 54 ° 52.799 N Lon: 130 ° 10.920 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-DOM	SFC_DOC		
1		442	mid	170		x	x						x	x	x		
2		443	0	1		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): SW

Bottom Depth: 340 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0911	0211
Bottom	0920	
End	0927	

Positional Information

Start

Lat: 54 ° 56.098 N

Lon: 130 ° 7.015 W

Bottom

Lat: 54 ° 56.093 N

Lon: 130 ° 6.990 W

End

Lat: 54 ° 56.050 N

Lon: 130 ° 6.954 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

PI7

Event #:

82

Ship:

JP Tully

UTC Date (dd mmm yyyy): 12 Oct 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			
1		444	mid	110		x	x						x	x	x			
2		445	0	1		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): SN

Bottom Depth: 221 m
Transmissio Cleaned: (Y) N

Time	UTC	Local
Start	1017	0317
Bottom	1023	
End	1028	

Positional Information

Start	Lat: 54 ° 59.270 N
	Lon: 130 ° 3.140 W
Bottom	Lat: 54 ° 59.320 N
	Lon: 130 ° 3.160 W
End	Lat: 54 ° 59.370 N
	Lon: 130 ° 3.160 W

Extra comments:

Water Properties Group

Program
STN List: All_Sins

Sampling Log

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

Cruise ID: 2020-083

Station: PORT2

Event #: 83

Ship: JP Tully

UTC Date (dd mmm yyyy): 12 Oct 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		446	mid	60		x	x						x	x	x		
2		447	0	1		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): SN

Bottom Depth: 121 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1057	0357
Bottom	1102	
End	1106	

Positional Information
Start
Lat: 54 ° 59.260 N
Lon: 129 ° 59.720 W

Bottom
Lat: 54 ° 59.290 N
Lon: 129 ° 59.750 W

End
Lat: 54 ° 59.290 N
Lon: 129 ° 59.700 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-DOM	SFC_DOC	SPC		
1		449	0	✓		x	x	x					x	x	x	xxx		Collected SPC out of Bottle Z ↓ use chl bottles
2		449	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): SN

Bottom Depth: 420 m

Transmisso Cleaned: ☒ Y ☐ N

Time UTC Local

Start 1315 0615

Bottom 1327

End 1335

Positional Information

Start Lat: 55 ° 6.761 N
Lon: 129 ° 57.449 W

Bottom Lat: 55 ° 6.730 N
Lon: 129 ° 57.470 W

End Lat: 55 ° 6.733 N
Lon: 129 ° 57.352 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	450	B-5		543	x	x											
2	2	451	b-5		543			x		x	x	x	x					
3	3	452	b-5		543												xxx	
4	4	453	400	✓		x	x											
5	5	454	300	✓		xx	x											
6	6	455	250	✓		x	xx											
7	7	456	200	✓		x	x											
8	8	457	150	✓		x	x											
9	9	458	100	✓		x	x											
10	10	459	75	✓		x	x											
11	11	460	50	✓	51	x	xx											
12	12	461	50	✓	51			x		x	x	x	x					
13	13	462	30	✓		x	x											
14	14	463	20	✓		x	x		xx									
15	15	464	10	✓		x	x		x									
16	16	465	5	✓		xx	x		x									
17	17	466	0	✓	1.7	x	x		x									
18	18	467	0	✓	1.7			x		xx	x	x	x					
19	19	468	0	✓	1.7												xxx	
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): GC

Bottom Depth: 549 m

Transmisso Cleaned: 1 N

Time	UTC	Local
Start	1706	1006
Bottom	1716	1016
End	1739	

Positional Information

Start

Lat: 55 ° 17.477 N

Lon: 129 ° 48.029 W

Bottom

Lat: 55 ° 17.445 N

Lon: 129 ° 48.133 W

End

Lat: 55 ° 17.482 N

Lon: 129 ° 48.158 W

Extra comments:

Water Properties Group

Program
STN List: All_Sins

Sampling Log

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

Cruise ID:

2020-083

Station:

PORT1

Event #:

95

Ship:

JP Tully

UTC Date (dd mmm yyyy):

12 Oct 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	1	448	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): GC

Bottom Depth: 788 m
Transmisso Cleaned: 0 / N

Time	UTC	Local
Start	2229	1529
Bottom	2232	
End	2234	

Positional Information

Start	Lat: 54 ° 58.585 N
	Lon: 129 ° 58.038 W

Bottom

Bottom	Lat: 54 ° 58.590 N
	Lon: 129 ° 58.032 W

End

End	Lat: 54 ° 58.590 N
	Lon: 129 ° 58.032 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				SPC	
1		373	b-5	46		x											
2		374	b-5	46			x		x	x	x	x					
3		375	b-5	46												xxx	
4		376	30	30		x											
5		377	20	20		x		x									
6		378	10	10		x		xx									
7		379	5	5		x		x									
8		380	0	1		xx		x									
9		381	0	1			x		xx	xx	xx	xx					
10		382	0	1												xxx	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): *SV*

Bottom Depth: 51 m

Transmisso Cleaned: (Y) 1 N

Time	UTC	Local
Start	0516	2116
Bottom	0521	
End	0527	

Positional Information

Start

Lat: 54 ° 6.610 N

Lon: 130 ° 16.450 W

Bottom

Lat: 54 ° 6.600 N

Lon: 130 ° 16.440 W

End

Lat: 54 ° 6.600 N

Lon: 130 ° 16.440 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-083

Station: MP55

Event #: 97

Ship: JP Tully

UTC Date (dd mmm yyyy): 13 Oct 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				SPC	
1		469	b-5	✓	105	x											
2		470	b-5	✓	105		x		x	x	x	x					
3		471	b-5	✓	105											xxx	
4		472	100	✓	100	x											
5		473	75	✓	75	x											
6		474	50	✓	50	xx											
7		475	50	✓	50		x		x	x	x	x					
8		476	30	✓	30	x											
9		477	20	✓	20	x		x									
10		478	10	✓	10	x		xx									
11		479	5	✓	5	x											
12		480	0	✓	7	x		x									
13		481	0	✓	1		x		xx	xx	xx	xx					
14		482	0	✓	1											xxx	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 110 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	0559	2259
Bottom	0604	
End	0612	

Positional Information

Lat:	54 ° 4.229	N
Lon:	130 ° 16.027	W

Start
Bottom
End

Lat: 54 ° 4.223 N
Lon: 130 ° 16.036 W

Lat: 54 ° 4.223 N
Lon: 130 ° 16.031 W

Extra comments:

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

CH29

Event #:

98

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 13 Oct 2020

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					SPC			
b-5	85		x														
b-5	85			x		x	x	x	x								
b-5	85													xxx			
100			x														
75	75		x														
50	50		xx														
50	50			x		x	x	x	x								
30	30		x														
20	20		x		x												
10	10		x		xx												
5	5		x														
0	1		x		x												
0	1			x		x	xx	xx	x								
0	1													xxx			
513 Nut-F CH29 2020-083 100 m bot 4																	

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

Bottom Depth: 91 m
Transmisso Cleaned: *(Y)* N

Time	UTC	Local
Start	0648	2348
Bottom	0652	
End	0701	

Positional Information

Lat:	54 ° 1.370	N
Lon:	130 ° 14.084	W

Start

Lat:	54 ° 1.370	N
Lon:	130 ° 14.080	W

Bottom

Lat:	54 ° 1.370	N
Lon:	130 ° 14.080	W

End

Lat:	54 ° 1.370	N
Lon:	130 ° 14.080	W

Extra comments:

Water Properties Group

Cruise ID: 2020-083

Program STN List: All_Stns

Station: CH29

Sampling Log

Event #: 98

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

Ship: JP Tully

UTC Date (dd/mmm/yyyy):

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				SPC	
1		510	b-5			x											
2		511	b-5				x		x	x	x	x					
3		512	b-5													xxx	
4		513	100			x											
5		514	75			x											
6		515	50			xx											
7		516	50				x		x	x	x	x					
8		517	30			x											
9		518	20			x		x									
10		519	10			x		xx									
11		520	5			x											
12		521	0			x		x									
13		522	0				x		x	xx	xx	x					
14		523	0													xxx	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom		
End		

Positional Information

Start	Lat:	°	N
	Lon:	°	W

Bottom

Lat:	°	N
Lon:	°	W

End

Lat:	°	N
Lon:	°	W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

OGCH50

Event #:

99

Ship:

JP Tully

UTC Date (dd mmm yyyy): 13 Oct 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								
1			483	b-5	124		x														
2			484	b-5	124																
3			485	100	100		x										xxx				
4			486	75	75		x														
5			487	50	50		x														
6			488	30	30		xx														
7			489	20	20		x														
8			490	10	10		x														
9			491	5	9		x														
10			492	0	1		x														
11			493	0	1																
12																	xxx				
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): SN

Bottom Depth: 132 m
 Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0736	0036
Bottom	0740	
End	0750	

Positional Information
 Start
 Lat: 53 ° 59.320 N
 Lon: 130 ° 12.630 W

Bottom
 Lat: 53 ° 59.290 N
 Lon: 130 ° 12.640 W

End
 Lat: 53 ° 59.270 N
 Lon: 130 ° 12.680 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-083

Station: OGCH46

Event #: 100

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 13 Oct 2020

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						SPC	

1		494	b-5	144	x	x										
2		495	b-5	144			x		x	x	x	x				
3		496	b-5	144												
4		497	100	100	x	x									xxx	
5		498	75	75	x	x										
6		499	50	50	xx	x										
7		500	50	50			x		x	x	x	x				
8		501	30	30	x	x										
9		502	20	20	x	x		x								
10		503	10	10	x	xx		x								
11		504	5	5	x	x		xx								
12		505	0	1	x	x		x								
13		506	0	1			x		x	xx	x	x				
14		507	0	1												
15															xxx	
16																
17																
18																
19																
20																
21																
22																
23																
24																

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

Bottom Depth: *150* m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0900	0200
Bottom	0906	
End	0917	

Positional Information
Start
Lat: *53 ° 55.450* N
Lon: *130 ° 12.990* W

Bottom
Lat: *53 ° 55.450* N
Lon: *130 ° 12.960* W

End
Lat: *53 ° 55.470* N
Lon: *130 ° 12.900* W

Extra comments:

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

GrC36

Event #:

103

Ship:

JP Tully

UTC Date (dd mmm yyyy): 13 Oct 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		
1		508	0	✓		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):

Bottom Depth: 197 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1157	0457
Bottom	1203	
End	1207	

Positional Information

Start	Lat: 53 ° 49.187 N
	Lon: 129 ° 59.166 W
Bottom	Lat: 53 ° 49.199 N
	Lon: 129 ° 59.215 W
End	Lat: 53 ° 49.214 N
	Lon: 129 ° 59.258 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		524	0	✓	37		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): MG

Bottom Depth: 40 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0244	1544
Bottom	0245	
End	0246	

Positional Information

Start

Lat: 53 ° 32.21 N

Lon: 128 ° 59.78 W

▼

Bottom

Lat: 53 ° 32.20 N

Lon: 128 ° 59.79 W

▼

End

Lat: 53 ° 32.19 N

Lon: 128 ° 59.80 W

Extra comments:

SFC SAMPLES

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		536	mid	✓ 70		x	x						x	x	x			536 Nut-F GC74 2020-083 mid m bot 1
2		537	0	✓ 1.4		x	x	x					x	x	x			
3																		
4																		
5																		
6																		536 Nut missed. human error
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): 146

Bottom Depth: 141 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2105	1405
Bottom	2108	
End	2112	

Positional Information

Start

Lat: 53 ° 15.76 N

Lon: 127 ° 55.44 W

Bottom

Lat: 53 ° 15.76 N

Lon: 127 ° 55.44 W

End

Lat: 53 ° 15.77 N

Lon: 127 ° 55.44 W

Extra comments:

Cruise ID: 2020-083

Station: GC68

Event #: 141

Ship: JP Tully

UTC Date (dd mmm yyyy): 14 10 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		
1		534	mid	✓	113		x	x					x	x	x			
2		535	0	✓	103		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): MG

Bottom Depth: 227 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	2204	1504
Bottom	2209	
End	2214	

Positional Information

Start

Lat: 53 ° 20.63 N

Lon: 127 ° 59.61 W

Bottom

Lat: 53 ° 20.62 N

Lon: 127 ° 59.60 W

End

Lat: 53 ° 20.62 N

Lon: 127 ° 59.68 W

Extra comments:

Water Properties Group

Program
STN List: All_Sins

Sampling Log

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

Cruise ID:

2020-083

Station:

GC60

Event #:

142

Ship:

JP Tully

UTC Date (dd/mmm/yyyy): 14/10/20

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	
mid	✓	182		x	x						x	x	x		
0	✓	1.3		x	x	x					x	x	x		

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

Bottom Depth: 264 m
 Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2214	1614
Bottom	2324	
End	2330	

Positional Information

Start	Lat: 53 ° 25.72 N
	Lon: 128 ° 05.38 W
Bottom	Lat: 53 ° 25.72 N
	Lon: 128 ° 05.39 W
End	Lat: 58 ° 25.72 N
	Lon: 128 ° 05.39 W

Extra comments:

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-083

Station: Kitlope

Event #: 144

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 14|06|20

			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	SFC-EEM	SFC-DOC	SPC		
1		538	surface			xx	xx	x	xx	xx	xx	xx			x		53 12.645 127 50.626
2																	
3																	
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 use

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

Bottom Depth: _____ m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1908	
Bottom		
End		

Positional Information

Start	Lat: 53 ° 12.645 N
	Lon: 127 ° 50.626 W
Bottom	Lat: ° N
	Lon: ° W
End	Lat: ° N
	Lon: ° W

Extra comments: Moira & Stephen collected.

Cruise ID: 2020-083

Station: GC51

Event #: 145

Ship: JP Tully

UTC Date (dd mmm/yyyy): 15 10 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		530	2. mid			x	x						x	x	x			
2		531	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): DS

Bottom Depth: 485 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0038	
Bottom		
End		

Positional Information

Start

Lat: 53° 28.39 N

Lon: 126° 18.82 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

GC38

Event #:

148

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 15 | OCT | 2020

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		
mid	✓	120	x	x						x	x	x			
0			x	x	x					x	x	x			

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): RA

Bottom Depth: 239 m

Transmisso Cleaned: ① N

Time	UTC	Local
Start	0348	2048
Bottom		
End	0351	

Positional Information

Start	Lat: 53	° 25.950	N
	Lon: 128	° 27.060	W
Bottom	Lat:	°	N
	Lon:	°	W
End	Lat: 53	° 27.050	N
	Lon: 128	° 35.870	W

Extra comments:

Missed bottom
Time/Lat/Lon

Water Properties Group

Program
STN List: All_Stns

147
Sampling Log 174

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

Cruise ID: 2020-083

Station: GC44

Event #:

Ship: JP Tully

UTC Date (dd mmm yyyy): 15 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			529	0	✓	1	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																				

Version: 28May2020

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

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

Bottom Depth: 400 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	02:32	19:32
Bottom	02:40	
End	02:47	

Positional Information

Start	Lat: 53 ° 25.930 N
	Lon: 128 ° 27.030 W
Bottom	Lat: 53 ° 25.930 N
	Lon: 128 ° 27.050 W
End	Lat: 53 ° 25 N
	Lon: 128 ° 27 W

Extra comments:

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		526	0			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): SN

Bottom Depth: 207 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	0439	2139
Bottom	0449	
End	0449	

Positional Information

Start

Lat: 53 ° 31.50 N

Lon: 128 ° 43.430 W

Bottom

Lat: 53 ° 31.490 N

Lon: 128 ° 43.430 W

End

Lat: ° N

Lon: ° W

Extra comments:

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		525	0	✓	1		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): SV

Bottom Depth: 165 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0624	2324
Bottom	0626	
End	0630	

Positional Information

Start

Lat: 53 ° 34.309 N

Lon: 123 ° 50.990 W

Bottom

Lat: 53 ° 34.334 N

Lon: 123 ° 50.969 W

End

Lat: 53 ° 34.361 N

Lon: 123 ° 50.939 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-083

Station: DeC15

Event #: 159

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 15 Oct 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		539	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): *SM*

Bottom Depth: 317 m
 Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0912	0212
Bottom	0926	
End	0926	

Positional Information

Start	Lat: 53 ° 42.710 N
	Lon: 128 ° 48.500 W

Bottom

Lat: 53 ° 42.710 N
Lon: 128 ° 48.500 W

End

Lat: 53 ° 42.710 N
Lon: 128 ° 48.510 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

DeC12

Event #:

160

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

15 Oct 2020

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			

Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	SFC-EEM	SFC-DOM	SFC-DOC	SPC	Comments
1		540	0			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:
RO8 TRM X-Niskin other?
Watchkeeper(s): SW

Bottom Depth: 305 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1007	0307
Bottom	1015	
End	1021	

Positional Information

Start	Lat: 53 ° 46.661 N
Start	Lon: 128 ° 49.507 W

Bottom

Bottom	Lat: 53 ° 46.660 N
Bottom	Lon: 128 ° 49.510 W

End

End	Lat: 53 ° 46.654 N
End	Lon: 128 ° 49.501 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

Doug11

Event #:

162

Ship:

JP Tully

UTC Date (dd mmm yyyy):

15 Oct 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		541	b-5	✓	320														
2		542	b-5	✓	320			xx		x	x	x	x				xxx		
3		543	175	✓	175		x	x											
4		544	100	✓	100			x		x	xx	x	x		x	x	x		
5		545	20	✓	20				x										
6		546	10	✓	10				x										
7		547	5	✓	5				x										
8		548	0	✓	1			x		xx	x	xx	xx						
9		549	0	✓	1		x	x	x						x	x	x		
10		550	0	✓	1													xxx	
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: 326 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1119	0419
Bottom	1128	
End	1141	

Positional Information

Start	Lat: 53 ° 49.820 N
	Lon: 128 ° 49.300 W
Bottom	Lat: 53 ° 49.800 N
	Lon: 128 ° 49.310 W
End	Lat: 53 ° 49.780 N
	Lon: 128 ° 49.360 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-083

Station: Doug08

Event #: 163

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 15|oct|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	551	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): SP, RH

Bottom Depth: 301 m
 Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1230	0530
Bottom	1236	0536
End	1242	0542

Positional Information

Start	Lat: 53 ° 52.100 N
	Lon: 128 ° 46.050 W
Bottom	Lat: 53 ° 52.110 N
	Lon: 128 ° 46.030 W
End	Lat: 53 ° 52.110 N
	Lon: 128 ° 46.020 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

Doug06

Event #:

164

Ship:

JP Tully

UTC Date (dd/mmm/yyyy):

15 Oct 2020

Cruise ID:			2020-083		Station:		Doug06		Event #:		164		Smp.		01/10/20		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-DOM	SFC-DOC	SPC			
1		552	mid	125		x	x						x	x	x				
2		553	0	1		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																			

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

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

Bottom Depth: 257 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1330	0630
Bottom	1338	
End	1345	

Positional Information

Start
Lat: 53 ° 54.109 N
Lon: 128 ° 44.113 W

Bottom
Lat: 53 ° 54.008 N
Lon: 128 ° 44.162 W

End
Lat: 53 ° 54.077 N
Lon: 128 ° 44.171 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2020-083

Station: KIT1

Event #: 171

Ship: JP Tully

UTC Date (dd mmm yyyy): 15 Oct 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	HAK-DIC	DIC	SFC-EEN	SFC-DOM	SFC-DOC		
1		568	B-5	✓	x	x									x				
2		569	150	✓	x	x									x				
3		570	100	✓	x	x									x				
4		571	100	✓		x	x												
5		572	75	✓	x	x										x	x	x	
6		573	50	✓					x	x	x	x			x				
7		574	50	✓	x	xx	x								x				
8		575	30	✓	x	x									xx				
9		576	20	✓	xx	x									x				
10		577	15	✓	x	x									x				
11		578	10	✓	x	x									x				
12		579	5	✓	x	x									x				
13		580	0	✓	x	x									x				
14		581	0	✓		x	x												
15		582	0	✓					x	x	x	x				x	x	x	
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: 215 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1640	0940
Bottom	1643	
End	1657	

Positional Information
Start
Lat: 53 ° 55.920 N
Lon: 128 ° 41.700 W

Bottom
Lat: ° 55.890 N
Lon: ° 41.710 W

End
Lat: ° 55.840 N
Lon: ° 41.680 W

Extra comments:

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-083 Station: Doug02 Event #: 174 Ship: JP Tully UTC Date (dd|mmm|yyyy): 15 | 10 | 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-DM	SFC-DOC	SPC			
1		583	mid	✓	90		x	x									x		
2		584	0	✓	1.4		x	x	x								x		
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
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17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Version: 20May2020

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

Bottom Depth: 181 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1916	1216
Bottom	1919	
End	1924	

Positional Information

Start	Lat: 53 ° 57.81 N
	Lon: 128 ° 40.91 W
Bottom	Lat: 53 ° 57.80 N
	Lon: 128 ° 40.91 W
End	Lat: 53 ° 57.80 N
	Lon: 128 ° 40.91 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

Doug04

Event #:

178

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 15 | Oct | 2020

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				

Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	SFC-EEM	SFC-DOM	SFC-DOC	SPC	Comments
1		554	b-5	✓ 217												xxx	
2		555	b-5	✓ 217			xx		x	x	x	x					
3		556	200	✓ 200													
4		557	150	✓ 150													
5		558	100	✓ 100													
6		559	75	✓ 74.8													
7		560	50	✓ 50.1			x		x	xx	x	x					
8		561	30	✓ 30.0													
9		562	20	✓ 19.9				x									
10		563	10	✓ 10.0				x									
11		564	5	✓ 5.0				x									
12		565	0	✓ 1.2			x		xx	x	xx	xx					
13		566	0	✓ 1.2				x									
14		567	0	✓ 1.2												xxx	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 223 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	21:16	
Bottom	21:22	
End	21:33	

Positional Information

Start
Lat: 53 ° 55.576 N
Lon: 128 ° 42.247 W

Bottom
Lat: 53 ° 55.580 N
Lon: 128 ° 42.251 W

End
Lat: 53 ° 55.582 N
Lon: 128 ° 42.218 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

Doug08

Event #:

184

Ship:

JP Tully

UTC Date (dd mmm/yyyy): 16 Oct 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		501	0																
2		608					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): UB

Bottom Depth: 198 m
 Transmissio Cleaned: Y / N

Time	UTC	Local
Start	00:04	
Bottom	00:08	
End		

Positional Information

Start	Lat: 53 ° 51.773 N	Lon: 128 ° 45.385 W
Bottom	Lat: 53 ° 51.750 N	Lon: 128 ° 45.396 W
End	Lat: 53 ° 51. N	Lon: 128 ° 45. W

Extra comments:

also phyto
& cocco sample
taken

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		585	0			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):

Bottom Depth: 335 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0424	2124
Bottom	0433	
End	0439	

Positional Information

Start
Lat: 53 ° 46.710 N
Lon: 128 ° 54.760 W

Bottom
Lat: 53 ° 46.780 N
Lon: 128 ° 54.770 W

End
Lat: 53 ° 46.790 N
Lon: 128 ° 54.770 W

Extra comments:

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

FOC1

Event #:

196

Ship:

JP Tully

UTC Date (dd mmm/yyyy):

16 Oct 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	SPC		
1		586	b-5	✓ 366	x	x	xx						x			
2		587	300	✓ 300	x	x	x						xx			
3		588	250	✓ 250	xx	x	x						x			
4		589	200	✓ 200	x	x	x						x			
5		590	150	✓ 150	x	x	x						x			
6		591	100	✓ 100	x	x	xx						x			
7		592	75	✓ 75	x	x	x						x			
8		593	50	✓ 50	x	x	x						x			
9		594	30	✓ 30	xx	x	x						x			
10		595	20	✓ 20	x	x	x						xx			
11		596	10	✓ 10	x	xx	x	x					x			
12		597	5	✓ 5	x	x	x	x					x			
13		598	0	✓ 1	x	x	x	xx					x			
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

Bottom Depth: 371 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 0617 2317

Bottom 0626 2326

End 0642 2342

Positional Information

Start Lat: 53° 44.090 N

Lon: 129° 1.860 W

Bottom Lat: 53° 44.110 N

Lon: 129° 1.830 W

End Lat: 53° 44.140 N

Lon: 129° 1.820 W

Extra comments:

Cruise ID: 2020-065			Station: 02040		Date: 06/05/2020		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	SFC-EEM	SFC-DOC	SFC-DOC	SPC			
1		599	0	1		x	x	x					x	x	x				
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
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16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s): RL

Bottom Depth: 403 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0919	0219
Bottom	0928	
End	0936	

Positional Information

Start

Lat: 53° 40.470 N

Lon: 129° 7.378 W

Bottom

Lat: 53° 40.483 N

Lon: 129° 7.360 W

End

Lat: 53° 40.489 N

Lon: 129° 7.375 W

Extra comments:

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

Doug31

Event #:

201

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

16 Oct 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		600	0			X	X	X											
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
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14																			
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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): SN

Bottom Depth: 312 m
Transmissometer Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	<u>1044</u>	<u>0344</u>
Bottom	<u>1053</u>	
End	<u>1059</u>	

Positional Information

Start	Lat: <u>53° 36.690</u>	<u>N</u>
	Lon: <u>129° 12.650</u>	<u>W</u>

Bottom

	Lat: <u>53° 36.700</u>	<u>N</u>
	Lon: <u>129° 12.620</u>	<u>W</u>

End

	Lat: <u>53° 36.716</u>	<u>N</u>
	Lon: <u>129° 12.616</u>	<u>W</u>

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2020-083

Station: Doug40

Event #: 205

Ship: JP Tully

UTC Date (dd mmm yyyy): 16 Oct 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						
			Pressure	✓	Pressure									SFC-EEM	SFC-DOM	SFC-DOC	SPC		
1		601	0				x	x	x							x			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
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14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 396 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1348	0648
Bottom	1356	
End	1404	

Positional Information

Start	Lat: <u>53 ° 26.750</u> N
	Lon: <u>129 ° 12.500</u> W
	▼
Bottom	Lat: <u>53 ° 26.740</u> N
	Lon: <u>129 ° 12.490</u> W
	▼
End	Lat: <u>53 ° 26.72</u> N
	Lon: <u>129 ° 12.45</u> 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-DOM	SFC-DOC	SPC	
1		602	b-5	✓	455											xxx	
2		603	b-5	✓	455			x	x	x	xx	x					
3		604	50	✓	50			x	xx	x	x	xx					
4		605	0	✓	1.3			x	x	xx	x	x					
5		606	0	✓	1.4		x	x	xx				x	x	x		
6		607	0	✓	1.4											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): MG

Bottom Depth: 461 m

Transmisso Cleaned: YES N

Time	UTC	Local
Start	1440	0740
Bottom	1448	
End	1500	

Positional Information

Start

Lat: 53 ° 22.26 N

Lon: 129 ° 11.75 W

Bottom

Lat: 53 ° 22.28 N

Lon: 129 ° 11.75 W

End

Lat: 53 ° 22.27 N

Lon: 129 ° 11.78 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

JPS7

Event #:

233

Ship:

JP Tully

UTC Date (dd/mmm/yyyy):

17 Oct 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	Phyto	SPC					
1		609	b-5	125	x	x														
2		610	b-5	125			x		x	x	x	x								
3		611	b-5	125											xxx					
4		612	100	100	x	x														
5		613	75	75	xx	x														
6		614	50	50	x	xx														
7		615	50	50			x		x	x	x	x								
8		616	30	30	x	x														
9		617	20	20	x	x		x												
10		618	10	10	xx	x		x												
11		619	5	5	x	xx		xx												
12		620	0	1	x	x		x						x						
13		621	0	1			x		xx	xx	xx	xx								
14		622	0	1											xxx					
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

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

Bottom Depth: 133 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1105	0405
Bottom	1110	
End	1119	

Positional Information
Start
Lat: 52 ° 33.920 N
Lon: 131 ° 5.830 W

Bottom
Lat: 52 ° 33.880 N
Lon: 131 ° 5.870 W

End
Lat: 52 ° 33.890 N
Lon: 131 ° 5.880 W

Extra comments:

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

JPS4

Event #:

237

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 17 Oct 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	Phyto	SPC		
			✓	Pressure													
1	1	623	b-5		358	x	x										
2	2	624	b-5		358			x		x	x	x	x				
3	3	625	b-5		358											xxx	
4	4	626	300	✓		xx	x										
5	5	627	250	✓		x	x										
6	6	628	200	✓		x	x										
7	7	629	150	✓		x	xx										
8	8	630	100	✓		x	x										
9	9	631	75	✓		x	x										
10	10	632	50	✓		x	xx										
11	11	633	50	✓				x		x	x	x	x				
12	12	634	30	✓		xx	x										
13	13	635	20	✓		x	x		x								
14	14	636	10	✓		x	x		x								
15	15	637	5	✓		x	x		xx								
16	16	638	0	✓	1.6	x	x		x					x			
17	17	639	0	✓	1.6			x		xx	xx	x	x				
18	18	640	0	✓	1.6											xxx	
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): GC

Bottom Depth: 362 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1417	0717
Bottom	1425	
End	1445	

Positional Information

Lat:	52 ° 31.080	N
Lon:	131 ° 23.580	W

Start

Lat:	52 ° 31.090	N
Lon:	131 ° 23.610	W

Bottom

Lat:	52 ° 31.090	N
Lon:	131 ° 23.530	W

End

Extra comments:
★
Changed con file from
2020-083-218.xml to
443-2020-083 Start New
TransVals.xml con.

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

Juan2

Event #:

239

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

17 Oct 2020

Niskin #	Firing #	Sample #	Rosette Operation		Confirmed	Sampler's Initials / Samples Taken								Sample Lists: All_Samples				Comments
			Target Pressure	✓		OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	DIC	Phyto	SPC		
1		641	b-5	✓	203	x	x							x				
2		642	b-5	✓	203			x		x	x	x	x					
3		643	b-5	✓	203	xx	x									xxx		
4		644	200	✓	200	x	x							xx				
5		645	150	✓	150	x	xx							x				
6		646	100	✓	100	x	x							x				
7		647	75	✓	75	x	x							x				
8		648	50	✓	50	x	xx							x				
9		649	50	✓	50			x		x	x	x	x					
10		650	30	✓	30	xx	x							x				
11		651	20	✓	20	x	x		x					xx				
12		652	10	✓	10	x	x		x					x				
13		653	5	✓	5	x	x		xx					x				
14		654	0	✓	1.4	x	x		x					x	x			
15		655	0	✓	1.4			x		xx	xx	x	x					
16		656	0	✓	1.4											xxx		
17																		
18																		
19																		
20																		
21																		
22																		
23		643																
24		Nut-F																

Juan2 020
2020-083
b-5 m

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

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): HBBottom Depth: 2003 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	15:40	8:40
Bottom	15:46	8:46
End	16:00	9:00

Positional Information
Start
Lat: 52 ° 31.530 N
Lon: 131 ° 26.700 WBottom
Lat: 52 ° 31.520 N
Lon: 131 ° 26.190 WEnd
Lat: 52 ° 31.500 N
Lon: 131 ° 26.240 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	Phyto	SPC			
1		657	b-5	✓ 142	x	x												
2		658	b-5	✓ 142			x		x	x	x	x						
3		659	b-5	✓ 142											xxx			
4		660	100	✓ 100	x	x												
5		661	75	✓ 75	x	x												
6		662	50	✓ 50	x	x												
7		663	50	✓ 50			x		x	x	x	x						
8		664	30	✓ 30	x	xx												
9		665	20	✓ 20	xx	x		x										
10		666	10	✓ 10	x	x		xx										
11		667	5	✓ 5	x	x		x										
12		668	0	✓ 1.2	x	x		x						x				
13		669	0	✓ 1.2			x		xx	xx	x	x						
14		670	0	✓ 1.2											xxx			
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s): HB

Bottom Depth: 151 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	18:06	11:06
Bottom	18:10	11:10
End	18:20	11:20

Positional Information

Start

Lat: 52 ° 36.280 N

Lon: 131 ° 40.080 W

Bottom

Lat: 52 ° 36.284 N

Lon: 131 ° 40.062 W

End

Lat: 52 ° 36.290 N

Lon: 131 ° 40.062 W

Extra comments:

Cruise ID: 2020-083

Station: JPN3

Event #: 244

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 17 Oct 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	Phyto	SPC				
1		682	b-5	✓	150	x	x												
2		683	b-5	✓	150			x		x	x	x	x						
3		684	b-5	✓	150										xxx				
4		685	100	✓	100	x	x												
5		686	75	✓	75	x	x												
6		687	50	✓	50	x	xx												
7		688	50	✓	50			x		x	x	x	x						
8		689	30	✓	30	xx	x												
9		690	20	✓	70	x	x		x										
10		691	10	✓	10	x	x		x										
11		692	5	✓	5	x	x		xx										
12		693	0	✓	1.4	x	x		x					x					
13		694	0	✓	1.4			x		xx	xx	x	x						
14		695	0	✓	1.4										xxx				
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s): HB

Bottom Depth: 143 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	19:43	12:43
Bottom	19:47	12:47
End	19:57	12:57

Positional Information

Start

Lat: 52 ° 44.390 N

Lon: 131 ° 47.610 W

Bottom

Lat: 52 ° 44.380 N

Lon: 131 ° 47.620 W

End

Lat: 52 ° 44.360 N

Lon: 131 ° 47.620 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

JPS1

Event #:

248

Ship:

JP Tully

UTC Date (dd/mm/yyyy):

18 Oct 2020

Event #.		Ship:		JP Tully		UTC Date (dd m											
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	Phyto	SPC	*	
1		696	10	✓	10		x		x								
2		697	5	✓			x		x								
3		698	0	✓			x		x								
4														x			
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 Ammonia products

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

SP

Bottom Depth:

140 m

Transmisso Cleaned:

Y/N

Time

UTC

Local

Start

2213

1513

Bottom

2216

End

2220

Positional Information

Start

Lat: 52° 36.270N

Lon:

131° 40.150W

Bottom

Lat:

° 36.280N

Lon:

° 40.160W

End

Lat:

° 36.280N

Lon:

° 40.160W

Extra comments:

JPS1 time series: 22h00

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2020-083

Station:

JPS1

Event #:

260

Ship:

JP Tully

UTC Date (dd/mmm/yyyy): 18 Oct 2020

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	Phyto	SPC		
10	✓ 10		x		x									
5	✓		x		x									
0	✓		x		x									
						</								

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

Bottom Depth: 136 m

Transmisso Cleaned: Y / ☒ N

(Rosette hanging in air for series of casts.)

Time	UTC	Local
Start	0400	2100
Bottom	0404	2104
End	0408	2108

Positional Information

Start
 Lat: 52° 36.290 N
 Lon: 131° 40.180 W

Bottom
 Lat: 52° 36.290 N
 Lon: 131° 40.180 W

End
 Lat: 52° 36.290 N
 Lon: 131° 40.180 W

Extra comments:

JPS1 time series: 22h00

last cast at JPS1 - 2100 local

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	Phyto	SPC		
1		671	b-5	✓ 59		x											
2		672	b-5	✓ 59			x		x	x	x	x					
3		673	b-5	✓ 59		x								xxx			
4		674	50	✓ 50		x											
5		675	30	✓ 30		xx											
6		676	20	✓ 20		x		x									
7		677	10	✓ 10		x		xx									
8		678	5	✓ 5		x		x									
9		679	0	✓ 1		x		x					x				
10		680	0	✓ 1			x		xx	xx	x	x					
11		681	0	✓ 1										xxx			
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Watchkeeper(s):

Bottom Depth: 69 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0435	2135
Bottom	0440	
End	0446	

Positional Information

Start

Lat: 52 ° 39.060 N

Lon: 131 ° 40.330 W

Bottom

Lat: 52 ° 39.060 N

Lon: 131 ° 40.300 W

End

Lat: 52 ° 39.060 N

Lon: 131 ° 40.310 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID:

2020-083

Station:

HAK1

Event #:

271

Ship:

JP Tully

UTC Date (dd/mmm/yyyy):

19/10/2020

2020-083		Station:		HART		Event:		Date:		Time:		Comments			
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			
	✓														
b-5	133		x												
b-5	133			x		x	x	x	x						
b-5	133											xxx			
100	100		x												
75	76		x												
50	50		x							x xx y					
50	50			x		x	x	x	x						
40	40		x							y xx y					
30	30		x							x xx y					
20	20		xx		x										
10	10		x		x										
5	5		x		xx										
0	2-5		x		x						x				
0	2-5			x		xx	xx	xx	xx						
0	2-5											xxx			

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

Bottom Depth: 139 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0040	
Bottom	0045	
End		

Positional Information

Start	Lat: ° N
	Lon: ° W

Bottom

Lat: ° N
Lon: ° W

End

Lat: ° N
Lon: ° W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: All Samples					Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	SAL	CHL	TOC	DOC	CDOM	O18	DIC	Phyto	SPC		
1		717	b-5	✓ 330		x							xxx				
2		718	300	✓ 300		x							x				
3		719	250	✓ 250		x							x				
4		720	200	✓ 200		x							x				
5		721	150	✓ 150		x							x				
6		722	100	✓ 100		x							x				
7		723	75	✓ 75		x							x				
8		724	50	✓ 50		x							xxx				
9		725	30	✓ 30		x							x				
10		726	20	✓ 20		xx		x					x				
11		727	15	✓ 15		x		x					x				
12		728	10	✓ 10		x		xx					xxx				
13		729	5	✓ 5		xx		x					x				
14		730	0	✓ 1		x		x					x	x			
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Watchkeeper(s): SN

Bottom Depth: 345 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0430	2130
Bottom	0439	
End	0455	

Positional Information

Start
Lat: 51 ° 39.040 N
Lon: 127 ° 57.100 W

▼

Bottom
Lat: 51 ° 39.120 N
Lon: 127 ° 57.030 W

▼

End
Lat: 51 ° 39.120 N
Lon: 127 ° 57.040 W

Extra comments: