

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2022-008

Station:

Haro59

Event #:

2

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

Aug 11 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments				
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	DIC	HPLC	Lugol's	DA	Chl	Biotox	VAR					Save sheet after printing labels: YES	
1	1	1	Bot-5	✓ 229.2	x	x	x												
2	2	2	200	✓ 200.0	xx	x	x												
3	3	3	150	✓ 150.0	x	x	xx												
4	4	4	100	✓ 101.0	x	xx	x												
5	5	5	75	✓ 75.3	x	x	x												
6	6	6	50	✓ 50.8									X						
7	7	7	50	✓ 50.8	x	x	x				xx								
8	8	8	30	✓ 30.7	x	x	x				xx								
9	9	9	20	✓ 20.1	x	x	xx				x								
10	11	10	2010	✓ 10.3	xx	x	x				x								
11	12	11	10 5	✓ 5.3	x	x	x				xx								
12	14	12	5 0	✓ 2.2	x	x	x	xx	x	x	x	xx							
13	15	13	5 0	✓ 2.2		x		xx	x	x	x	xx						Biotox: 1 sample, 2 labels	
14	10	14	CHL Max	✓ 20.1									X					20m	
15	13	15	0 5	✓ 5.3									X						
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Fired in order
so labels need correcting.

Profile type: ROS

Watchkeeper(s): RF

Bottom Depth: 232

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	05:22	22 22
Bottom	05:26	22 26
End	05 46	22 46

Positional Information

Lat:	48 ° 36.83	N
Lon:	123 ° 14.80	W

Lat:	48 ° 36.83	N
Lon:	123 ° 14.795	W

Lat:	48 ° 36.83	N
Lon:	123 ° 14.79	W

Extra comments:

OUT-OF-ORDER!
A mistakenly fired!
Firing order is correct
labette were corrected to
match -RF

Fired in order
so labette need correcting.

Water Properties Group

Program
STN List:

All_Sns

Sampling Log

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

Cruise ID: 2022-008 Station: JF2 Event #: 6 Ship: JP Tully UTC Date (dd|mmm|yyyy): 11 AUG 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: Core_Samples				Comments			
			Target Pressure	Confirmed ✓ Pressure	MG/RM	AR	NR/RY	MG	RM	RM	RM	RM	RM	OH	VAR	Save sheet after printing labels:			
					OXY	Nut-F	DIC	CHL	HPLC	DA	Lugol's	Biotox				YES			
1	1	16	Bot-10	✓ 176	x	x	x												
2	2	17	150	✓ 150	x	x	x												
3	3	18	125	✓ 125	x	x	x												
4	4	19	100	✓ 100	x	x	x												
5	5	20	80	✓ 80	xx	xx	x												
6	6	21	60	✓ 60	x	x	x												
7	7	22	50	✓ 50										X					
8	8	23	50	✓ 50	x	x	xx	x											
9	9	24	40	✓ 40	x	x	x	xx											
10	10	25	30	✓ 30	xx	x	x	x											
11	11	26	20	✓ 20	x	x	x	x											
12	12	27	10	✓ 10	x	x	x	x											
13	13	28	5	✓ 5	x	x	xx	x											
14	15	29	0	✓ 2.5	x	x	x												
15	16	30	0	✓ 2.5				x	xx	x	x	xx							Biotox: 1 sample, 2 labels
16	14	31	* Chl Max	✓ 5										X					
17		32 5												X					NOT NEEDED NOT FIRED
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type: ROS

Watchkeeper(s): MR / ML

Bottom Depth: 185

Trans Clean: Y / N FI. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	1351	0651
Bottom	1356	0656
End	1416	

Positional Information

Lat:	48° 18.09	N
Lon:	124° 00.24	W

Lat:	48° 18.13	N
Lon:	124° 00.45	W

Lat:	48° 18.30	N
Lon:	124° 01.42	W

Extra comments:

OUT-OF-ORDER

Water Properties Group

Program
STN List:

All_Sns

Sampling Log

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

Cruise ID:

2022-008

Station:

P1

Event #:

9

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

11 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments				
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	DIC	VAR	PIC								Save sheet after printing labels: YES
1	1	32	Bot-10	✓ 103.2	x	x			xx										
2	2	33	30	✓ 30.4	xx	x			x										
3	3	34	5	✓ 4.8	x	x	x	xx	x		x								
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type:

ROS

Watchkeeper(s):

RF

Bottom Depth:

112

Trans Clean:

Y

N

FI. Clean:

Y

N

Par Status:

On

/

Off

Time

UTC

Local

Start

2020

1320

Bottom

2023

1323

End

2030

1330

Positional Information

Lat:

48 ° 34.530

N

Lon:

125 ° 29.910

W

Lat:

48 ° 34.540

N

Lon:

125 ° 29.880

W

Lat:

48 ° 34.540

N

Lon:

125 ° 29.830

W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples								Comments	
			Target Pressure	Confirmed Pressure														Save sheet after printing labels: YES		
				✓	DMS	DMSP-d	DMSP-t	Nut-F	CHL	HPLC	Lugol's	DA	Biotox	VAR						
1	✓1	35	100	✓100.2	x	x	x	x									air vents left open			
2	2	36	75	✓75.0	x			x	x											
3	3	37	50	✓50.0	x			x	x											
4	4	38	50	✓50.2									X							
5	5	39	40	✓40.6	x			xx	xx											
6	6	40	30	✓30.7	x			x	x	xx										
7	7	41	25	✓25.3	x			x	x	xx										
8	8	42	20	✓20.1	xx	xx	xx	x	x	xx										
9	10	43	15	✓15.4	x			x	x	xx										
10	11	44	10	✓9.9	x			x	(x)	xx							Chl not collected (oopc)			
11	12	45	5	✓5.7	x	x	x	x												
12	13	46	5	✓5.7				x	x	xx	x	x	xx				Biotox: 1 sample, 2 labels			
13	14	47	5	✓5.7										X						
14	15	48	0	✓1.7	x	x	x	x	xx											
15	9	49	CHLMAX	✓20										X			20m			
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Profile type: Ros

Watchkeeper(s): RF

Bottom Depth: 116

Trans Clean: (Y) / N Fl. Clean: Y / N

Par Status: (On) / Off

Time	UTC	Local
Start	0239	1939
Bottom	0241	1941
End	0258	1958

Positional Information

Start

Lat: 48 ° 35.960 N

Lon: 125 ° 59.870 W

Bottom

Lat: 48 ° 35.950 N

Lon: 125 ° 59.850 W

End

Lat: 48 ° 35.940 N

Lon: 125 ° 59.860 W

Extra comments:

DMS

OUT-OF-ORDER

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008 Station: P2 Event #: 15 Ship: JP Tully UTC Date (dd|mmm|yyyy): 12 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	DIC	TOC	PIC									
1	1	50	Bot-10	✓ 107.9	x	x	x	x										
2	2	51	100	✓ 100.5	x	x	xx	x										
3	3	52	75	✓ 75.3	x	x	x	x										
4	4	53	75	✓ 75.3	x	x	x	x										
5	5	54	50	✓ 50.0	xx	x	x	x										
6	6	55	25	✓ 25.8	x	x	x	x										Sample vial broken - over tightening.
7	7	56	10	✓ 10.7	x	xx	xx	x										
8	8	57	5	✓ 5.3	x	x	x	xx	x									
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: Ros

Watchkeeper(s): RF

Bottom Depth: 116

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	04 07	2107
Bottom	04 09	2109
End	04 20	2120

Positional Information

Start

Lat: 48 ° 35.990 N

Lon: 125 ° 59.980 W

Bottom

Lat: 48 ° 35.980 N

Lon: 125 ° 59.980 W

End

Lat: 48 ° 35.990 N

Lon: 126 ° 0.020 W

Extra comments:

Deep

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2022-008

Station:

P3

Event #:

16

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

12/AUG/2022

12 AUG 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	CHL	HPLC									
1	1	58	5	✓ 5.3		x	x	xx									
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:

ROS

Watchkeeper(s):

RF/DD

Bottom Depth:

811

Trans Clean:

Y

/ N

FI. Clean:

Y

/ N

Par Status:

On

/ Off

Time

UTC

Local

Start

0602

2342

Bottom

0619

2319

End

0635

2335

Positional Information

Lat:

48° 37.532

N

Lon:

126° 19.966

W

Lat:

48° 37.522

N

Lon:

126° 19.982

W

Lat:

48° 37.528

N

Lon:

126° 19.976

W

Extra comments:

Fluorometer trace
looks off below 550m

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2022-008

Station:

P4

Event #:

17

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

12/008/2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples				Comments			
			Target Pressure	Confirmed Pressure	VAR											
1	1	59	1000	✓ 1000	X											
2	2	60	500	✓ 501	X											
3	3	61	200	✓ 200	X											
4	4	62	50	✓ 50	X											
5	5	63	50	✓ 50	X											
6	8	64	5	✓ 5	X											
7	9	65	5	✓ 5	X											
8	6	66	Chl Max	✓ 15	X											
9	7	67	Chl Max	✓ 15	X											
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:

ROSETTE

Watchkeeper(s):

MG

Bottom Depth:

1324

Trans Clean:

Y / N

Fl. Clean:

Y / N

Par Status:

On / Off

Time

UTC

Local

Start

0820

0120

Bottom

0838

End

0907

Positional Information

Lat:

48 °

38.93

N

Lon:

126 °

40.25

W

Lat:

48 °

39.00

N

Lon:

126 °

40.34

W

Lat:

48 °

39.04

N

Lon:

126 °

40.25

W

Extra comments:

UVic

OUT OF ORDER

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2022-008

Station:

P4

Event #:

18

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

12.08.2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments	
			Target Pressure	Confirmed Pressure	MG/K	A/B	O	A	MG	MG							Save sheet after printing labels	YES
1		68	Bot-10	✓ 1323	xx	x	x	x	x									
2		69	1250	✓ 1249	x	x	x	x	x	x								
3		70	1250	✓ 1250	x	x	x	x	x	x								
4		71	1000	✓ 1000	x	x	x	x	x	xx								
5		72	800	✓ 800	x	x	x	xx	xx	x								
6		73	600	✓ 600	xx	x	x	x	x									
7		74	400	✓ 400	x	x	x	x	x									
8		75	300	✓ 300	x	x	x	x										
9		76	250	✓ 250	x	xx	x	x										
10		77	200	✓ 200	x	x	x	x										
11		78	175	✓ 175	x	x	x	x										
12		79	150	✓ 150	x	x	x	x										
13		80	125	✓ 125	xx	x	x	x										
14		81	100	✓ 100	x	x	x	x										
15		82	75	✓ 75	x	x	x	xx										
16		83	50	✓ 50	x	x	x	x										
17		84	25	✓ 25	x	x	x	x										
18		85	10	✓ 10	xx	x	xx	x										
19		86	5	✓ 5	x	x	x	x		x								
20																		
21																		
22																		
23																		
24																		

Profile type: ROSETTE

Watchkeeper(s): MG

Bottom Depth: 1311

Trans Clean: Y / N, Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	0948	0248
Bottom	1012	
End	1106	

Positional Information

Lat:	48 ° 39.02	N
Lon:	126 ° 40.01	W

Lat:	48 ° 39.02	N
Lon:	126 ° 40.00	W

Lat:	48 ° 39.01	N
Lon:	126 ° 40.02	W

Extra comments:

Deep

Water Properties Group

Program
STN List:

All_Sns

Sampling Log

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

Cruise ID: 2022-008 Station: P4 Event #: 21 Ship: JP Tully UTC Date (dd|mmm|yyyy): 12 AUG 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments	
			Target Pressure	Confirmed											Save sheet after printing labels: YES	
				√	Pressure		Bulk									
1		87	5				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: TM Go-Plu

Watchkeeper(s): DC / BMEP

Bottom Depth: 1312

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	1429	0729
Bottom	1438	0738
End	1447	0747

Positional Information

StartLat: 48 ° 39.00 N

StartLon: 126 ° 39.97 W

BottomLat: 48 ° 39.01 N

BottomLon: 126 ° 39.97 W

EndLat: 48 ° 39.01 N

EndLon: 126 ° 39.96 W

Extra comments:

TM-UBC

**Program
STN List:**

All_Stns

Sampling Log

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

Cruise ID: 2022-008

Station:

P4

Event #:

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

12.08.2022

[illegible]

Profile type:

GO FLO

Watchkeeper(s):

MC

Bottom Depth:

1313

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: ☒ On / ☐ Off**Time**

UTC

Local

Start

1534

0834

Bottom

1548 MR

End

1612

Positional Information

Lat: 48 ° 38.96 N

Lon: 126 ° 39.91 W

Lat: 48 ° 38.96 N

Lon: 176° 39 9.1 W

Lat: 48 ° 30' 9" N

Long: 12 / ° 25 51 W

Extra comments:

TM-Shallow

Water Properties Group

**Program
STN List:**

All_Stns

Sampling Log

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

Cruise ID: 2022-008

Station: P4

Event #: 24

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 12 Aug 2022

[illegible]

Profile type: TM-60F10

Watchkeeper(s): DC

Bottom Depth: 1314

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	1812	1112
Bottom MR	1842	1142
End	1922	

Positional Information

Start	Lat:	48 ° 39.14	N
	Lon:	126 ° 39.99	W

Bottom	Lat: 48 ° 39.174	N
	Lon: 126 ° 40.020	W

Lat:	48 ° 39 23	N
Lon:	126 ° 40 42	W

Extra comments:

TM-Deep

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008

Station: P4

Event #: 25

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 12 Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments	
			Target Pressure	Confirmed Pressure	DMS	DMSP-d	DMSP-t	Nut-F	CHL	HPLC	Lugol's	Glut	Form	DA	Biotox			Save sheet after printing labels: YES
1	1	98	400	✓ 400.1	x	x	x	x										
2	2	99	150	✓ 150.6	x	x	x	xx										
3	3	100	100	✓ 99.8	x			x										
4	4	101	60	✓ 50.160.1				x	x	xx								
5	5	102	50	✓ 50.1	x			x	x	xx								
6	6	103	40	✓ 40.0				x	x	xx								
7	7	104	30	✓ 30.2	x	x	x	x	x	xx								
8	8	105	20	✓ 20.0	xx	xx	xx	x	xx									
9	9	106	15	✓ 15.2	x			x	x	xx								
10	10	107	10	✓ 9.8	x			x	xx									
11	11	108	5	✓ 4.8	x	x	x	x										
12	12	109	5	✓ 4.8				x	x	xx	x	x	x	x	xx		Biotox: 1 sample, 2 labels	
13	13	110	0	✓ 2.0	x	x	x	x	x									
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: ROS - DMS

Watchkeeper(s): RF

Bottom Depth: 1311

Trans Clean: Y / N FI. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	2021	1321
Bottom	2028	1328
End	2053	1353

Positional Information

Lat: 48 ° 39.080	N
Lon: 126 ° 40.153	W

Lat: 48 ° 39.065	N
Lon: 126 ° 40.170	W

Lat: 48 ° 39.076	N
Lon: 126 ° 40.274	W

Extra comments:

DMS

Water Properties Group

Program STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008

Station: P5

Event #: 27

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 12 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments				
			Target Pressure	Confirmed Pressure											Save sheet after printing labels	YES			
1	1	111	5	5.4	x	x	xx	xx	x										
2		112																	
3		5027	Loop		x		xx												
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type: ROS

Watchkeeper(s): RF

Bottom Depth: 2085

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	2313	1613
Bottom	2348	1648
End	0024	1724

Positional Information

Lat: 48 ° 41.418 N
Lon: 127 ° 9.890 W

Lat: 48 ° 41.438 N
Lon: 127 ° 9.889 W

Lat: 48 ° 41.425 N
Lon: 127 ° 9.889 W

Extra comments:

+ LOOPS

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID: 2022-008 Station: P6 Event #: 28 Ship: JP Tully UTC Date (dd|mmm/yyyy): 13 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	SAL	Nut-F	CHL	HPLC									
1	1	112	5	✓ 5.8		x	x	xx									
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: ROS

Watchkeeper(s): RF

Bottom Depth: 2537

Trans Clean: Y N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	0236	1936
Bottom	0308	2008
End	0341	2041

Positional Information

Start

Lat: 48 ° 44.550 N

Lon: 127 ° 39.960 W

Bottom

Lat: 48 ° 44.520 N

Lon: 127 ° 39.680 W

End

Lat: 48 ° 44.510 N

Lon: 127 ° 39.680 W

Extra comments:

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID: 2022-008 Station: P7 Event #: 29 Ship: JP Tully UTC Date (dd|mmm|yyyy): 13 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples				Comments			
			Target Pressure	Confirmed ✓ Pressure	SAL	Nut-F	CHL	HPLC					Save sheet after printing labels: YES			
1		113	5	✓ 5	x	x	xx	xx								
2																
3		5029	Loop		x		xx									
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s): RF / MG

Bottom Depth: 2500

Trans Clean: Y / N FI. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	0559	2259
Bottom	0632	2332
End	0706	

Positional Information

Lat:	48 ° 46.590	N
Lon:	128 ° 9.920	W

Lat:	48 ° 46.561	N
Lon:	128 ° 10.030	W

Lat:	48 ° 46.55	N
Lon:	128 ° 9.995	W

Extra comments:

+ LOOPS

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID: 2022-008 Station: P8 Event #: 30 Ship: JP Tully UTC Date (dd|mmm|yyyy): 18.08.2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples				Comments			
			Target Pressure	Confirmed ✓ Pressure	UBC								Save sheet after printing labels: YES			
1		138*	990	✓ 991	X								FLOOR OFF SCALE @ 28M			
2		139	980	✓ 981	X											
3		140	970	✓ 970	X											
4		141	960	✓ 960	X											
5		142	950	✓ 950	X											
6		143	940	✓ 940	X											
7		144	930	✓ 930	X											
8		145	920	✓ 920	X											
9		146	910	✓ 910	X											
10		147	905	✓ 905	X											
11		148	900	✓ 901	X											
12		149	895	✓ 895	X											
13		150	890	✓ 890	X											
14		151	885	✓ 885	X											
15		152	880	✓ 880	X											
16		153	875	✓ 875	X											
17		154	870	✓ 871	X											
18		155	865	✓ 865	X											
19		156	860	✓ 860	X											
20		157	850	✓ 850	X											
21		158	840	✓ 840	X											
22		159	830	✓ 830	X											
23		160	820	✓ 820	X											
24		161	810	✓ 810	X											

Profile type: ROSETTE

Watchkeeper(s): MG

Bottom Depth: 2513

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	0921	0221
Bottom	0942	
End	1037	

Positional Information

Lat: 48 ° 48.98	N
Lon: 128 ° 40.01	W

Lat: 48 ° 48.99	N
Lon: 128 ° 39.95	W

Lat: 48 ° 49.01	N
Lon: 128 ° 39.99	W

Extra comments:

UBC

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008

Station: P8

Event #: 33

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 18.08.22

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists: Core_Samples				Comments
			Target Pressure	Confirmed Pressure	MC/O	IS	A	O	M/R	R/A	B	O	ROSS				
				✓		OXY	SAL	Nut-F	Nut-C	CHL	HPLC	TOC	DMS	UBC			Save sheet after printing labels: YES
1		114	2000	✓	2000	x	xx	x	x			x	x				Bulk water for DMS blanks
2		115	1500	✓	1500	x	x	x	x			x					FLUOR Max @ 30m
3		116	1250	✓	1250	xx	x	x	x			x					N 45 ?
4		117	1000	✓	1000	x	xx	xx	xx			x		x			
5		118	800	✓	800	x	x	x	x			x		x			
6		119	600	✓	600	x		x	x			x		x			
7		120	400	✓	400	x		x	x			x					
8		121	300	✓	300	xx		x				x					
9		122	250	✓	250	x		x				x					
10		123	200	✓	260	x		x				x					
11		124	175	✓	176	x		x				x					
12		125	150	✓	150	x		x				x					
13		126	125	✓	125	x		x				x					
14		127	100	✓	100	x		x				x		x			
15		128	75	✓	75	xx		x		x		x		x			
16		129	60	✓	60	x		x		x	xx	x					
17		130	50	✓	50	x		x		x	xx	x		x			
18		131	40	✓	40	x		x		x	xx	x					
19		132	30	✓	30	x		x		x	xx	x		x			
20		133	25	✓	25	x		x		x		x		x			
21		134	20	✓	20	x		xx		xx		xx		x			
22		135	15	✓	15	x		x		x	xx	x		x			
23		136	10	✓	10	xx		x		xx		x		x			
24		137	5	✓	5	x		x		x	xx	x		x			

HAS LABELS

Profile type: ROSETTE

Watchkeeper(s): Me

Bottom Depth: 2513

Trans Clean: Y/N Fl. Clean: Y/N

Par Status: On / Off

Time	UTC	Local
Start	1239	0539
Bottom	1314	
End	1426	

Positional Information

Lat: 48 ° 49.00	N
Lon: 128 ° 39.93	W

Lat: 48 ° 48.93	N
Lon: 128 ° 39.99	W

Lat: 48 ° 48.92	N
Lon: 128 ° 39.97	W

Extra comments:

IOS

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments	
			Target Pressure	Confirmed ✓ Pressure	SAL	Nut-F	CHL	HPLC	PKC						Save sheet after printing labels	YES
1		162	5	✓ 5	x	x	xx	xx	x							
2																
3		5034	Loop		x		xx									
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s): MR

Bottom Depth: 2333

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	1643	0943
Bottom	1719	
End	1754	

Positional Information

Start

Lat: 48° 51.44 N

Lon: 129° 09.94 W

Bottom

Lat: 48° 51.41 N

Lon: 129° 09.92 W

End

Lat: 48° 51.41 N

Lon: 129° 09.95 W

Extra comments:

+ LOOPS

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID: 2022-008

Station: P10

Event #: 35

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 13 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples				Comments			
			Target Pressure	Confirmed Pressure	SAL	Nut-F	CHL	HPLC					Save sheet after printing labels: YES			
1	2	163	5			x	x	xx	X							
2	1	164	3028	✓ 28.0			*		*	X						CHL Max
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

Watchkeeper(s): Rf

Bottom Depth: 2635

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	20 19	13 19
Bottom	20 52	13 52
End	21 26	14 26

Positional Information

Lat: 48 ° 53. 610	N
Lon: 129 ° 39. 880	W

Lat: 48 ° 53. 610	N
Lon: 129 ° 39. 940	W

Lat: 48 ° 53. 620	N
Lon: 129 ° 39. 940	W

Extra comments:

CHL max sample requested by D.D.

Water Properties Group

Program
STN List:

All_Sns

Sampling Log

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

Cruise ID: 2022-008 Station: P11 Event #: 36 Ship: JP Tully UTC Date (dd|mmm|yyyy): 13/14 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments	
			Target Pressure	Confirmed ✓ Pressure	SAL	Nut-F	CHL	HPLC	PIC						Save sheet after printing labels:	YES
1		165	5	✓ 5		x	x	xx	X							
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: Ros
Watchkeeper(s): RF

Bottom Depth: 2476
Trans Clean: Y / N Fl. Clean: Y / N
Par Status: On / Off
Time UTC Local
Start 2343 1643
Bottom 0017 1717
End 0050

Positional Information
Start Lat: 48° 56.01 N
Lon: 130° 10.06 W

Bottom Lat: 48° 56.02 N
Lon: 130° 10.05 W

End Lat: 48° 56.03 N
Lon: 130° 10.01 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008

Station: P12

Event #: 37

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 14 Aug 2022

Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples				Comments			
Target Pressure	Confirmed Pressure											Save sheet after printing labels:			
		DMS	DMSP-d	DMSP-t	Nut-F	CHL	HPLC					YES			

Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	DMS	DMSP-d	DMSP-t	Nut-F	CHL	HPLC								
1	1	166	400	✓ 401	x	x	x	x										
2	2	167	150	✓ 150.8	x	x	x	x										
3	3	168	100	✓ 101.0	x			x										
4	4	169	60	✓ 60.8				x	x	xx								
5	5	170	50	✓ 49.6	x			x	x	xx								
6	6	171	40	✓ 40.8				x	x	xx								
7	7	172	30	✓ 30.7	x	x	x	x	x	xx								
8	8	173	20	✓ 20.1	xx	xx	xx	x	xx									
9	9	174	15	✓ 15.8	x			x	x	xx								
10	10	175	10	✓ 5.0 10.0	x			x	x									
11	11	176	5	✓ 5.0	x	x	x	x										
12	12	177	5	✓ 5.6				xx	x	xx								
13	13	178	0	✓ 1.8	x	x	x	x	xx									
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: ROS
Watchkeeper(s): RF

Bottom Depth: 3218		
Trans Clean:	Y	N Fl. Clean: Y / N
Par Status:	On	Off
Time	UTC	Local
Start	0313	2013
Bottom	0320	2020
End	0343	2043

Positional Information		
Lat:	48 ° 58.220	N
Lon:	130 ° 39.890	W

Lat:	48 ° 58.230	N
Lon:	130 ° 39.880	W

Lat:	48 ° 58.230	N
Lon:	130 ° 39.880	W

Extra comments:

DMS

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008

Station: P12

Event #: 38

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 14 Aug 2

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	DIC	TOC	Nut-F	Nut-C	SAL	PIC						
1	1	179	Bot-10	✓ 3276.4	x	x	x	x	x								
2	2	180	3000	✓ 2999.1	x	x	x	x	x	x							
3	3	181	3000	✓ 2999.1	x	x	x	x	x	x							
4	4	182	2500	✓ 2500.0	xx	x	x	xx	xx	xx							
5	5	183	2000	✓ 1999.4	x	x	x	x	x	x							
6	6	184	1500	✓ 1500.6	x	x	x	x	x	x							
7	7	185	1250	✓ 1250.1	x	xx	x	x	x	x							
8	8	186	1000	✓ 999.4	x	x	x	x	x	xx							
9	9	187	800	✓ 799.2	xx	x	x	x	x								
10	10	188	600	✓ 600.5	x	x	x	x	x								
11	11	189	400	✓ 399.9	x	x	x	x	x								
12	12	190	300	✓ 300.9	x	x	x	xx									
13	13	191	250	✓ 250.5	x	x	x	x									
14	14	192	200	✓ 201.0	xx	x	x	x									
15	15	193	175	✓ 174.7	x	x	x	x									
16	16	194	150	✓ 149.6	x	x	x	x									
17	17	195	125	✓ 125.0	x	xx	x	x									
18	18	196	100	✓ 99.9	x	x	x	x									
19	19	197	75	✓ 75.3	x	x	x	x									
20	20	198	50	✓ 50.8	x	x	xx	x									
21	21	199	25	✓ 24.3	xx	x	x	x									
22	22	200	10	✓ 9.9	x	x	x	x									
23	23	201	5	✓ 4.8	x	x	x	x			x						
24																	

Profile type: R

Watchkeeper(s): RF

Bottom Depth: 31

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / (Off)

Time	UTC	Local
Start	0418	2118
Bottom	0514	2214
End	0642	

Positional Information

Lat:	48° 58.207	N
Lon:	130° 39.976	W

Lat:	48° 58.190	N
Lon:	130° 39.954	W

Lat:	48° 58.182	N
Lon:	130° 39.972	W

Extra comments:

Deep

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008

Station: P12

Event #: 39

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 14-08-2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments	
			Target Pressure	Confirmed ✓ Pressure	VAR										Save sheet after printing labels: YES	
1	1	202	1000	✓ 1001	X											
2	2	203	500	✓ 501	X											
3	3	204	200	✓ 199	X											
4	4	205	50	✓ 51	X											
5	5	206	50	✓ 51	X											
6	8	207	5	✓ 5	X										1.6-1.7	
7	9	208	5	✓ 6	X											
8	6	209	Chl Max	✓ 40	X										1.8-1.9	
9	7	210	Chl Max	✓ 40	X											
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: Rosette

Watchkeeper(s): MG

Bottom Depth: 3220

Trans Clean: Y N Fl. Clean: Y N

Par Status: On / Off

Time	UTC	Local
Start	0751	0051
Bottom	0809	
End	0837	

Positional Information

Lat: 48 ° 58.21 N
Lon: 130 ° 39.94 W

Lat: 48 ° 58.21 N
Lon: 130 ° 39.95 W

Lat: 48 ° 58.21 N
Lon: 130 ° 39.99 W

Extra comments:

UVic

OUT OF ORDER

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID: 2022-008

Station: P12

Event #: 42

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 14.08.2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments	
			Target Pressure	Confirmed Pressure											Save sheet after printing labels	YES
1		211	5			X										
2						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: GUFLO

Watchkeeper(s): MG

Bottom Depth: 3221

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	1038	0338
Bottom	1039	
End	1041	

Positional Information

Lat: 48 ° 58.17	N
Lon: 130 ° 40.04	W

Lat: 48 ° 58.17	N
Lon: 130 ° 40.04	W

Lat: 48 ° 58.17	N
Lon: 130 ° 40.04	W

Extra comments:

TM-UBC

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008

Station: P12

Event #: 43

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 14.08.2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments	
			Target Pressure	Confirmed Pressure	Bulk										Save sheet after printing labels:	YES
1		212	5			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: GO FLO BOT

Watchkeeper(s): Me

Bottom Depth: 3219

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	1044	0344
Bottom	1048	
End		

Positional Information

Lat: 48 ° 58.18	N
Lon: 130 ° 40.04	W

Lat: 48 ° 58.17	N
Lon: 130 ° 40.05	W

Lat: 48 ° 58.18	N
Lon: 130 ° 40.04	W

Extra comments:

TM-UBC

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2022-008

Station:

P12

Event #:

44

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

14.05.2022

[illegible]

Profile type: TM SHALLOW

Watchkeeper(s):

Bottom Depth: 3217

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: ☒ On / ☐ Off

<i>Time</i>	<i>UTC</i>	<i>Local</i>
-------------	------------	--------------

Start	1411	0711
-------	------	------

Bottom	1428
--------	------

End	1445
-----	------

Positional Information

Lat: 48 ° 58.21 N

Lon: 130 ° 40.04 W

Lat: 48 ° 58.18 N

Lon: 130 ° 40.01 W

Lat: 48 ° 58.14 N

Lon: 130° 39.97 W

Extra comments:

TM-Shallow

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID: 2022-008

Station: P13

Event #: 48

Ship: JP Tully

UTC Date (dd|mmm|yyyy):

14 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		Core_Samples		Comments	
			Target Pressure	Confirmed Pressure	SAL	Nut-F	CHL	HPLC	PTC					Save sheet after printing labels:	YES
1	2	223	5	✓ 5.0	x	x	xx	xx	x						
2			2005											DMS BULK	
3		5048	Loop		x		xx								
4	1		2005	✓ 2004.1										DMS BULK	
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:

Ros

Watchkeeper(s):

DTD

Bottom Depth:

3000

Trans Clean:

Y

/

N

Fl. Clean:

Y

/

N

Par Status:

On

/

Off

Time

UTC

Local

Start

2318

1618

Bottom

2352

1615

End

0026

1726

Positional Information

Start

Lat:

49°

2.570

N

Lon:

131°

39.900

W

Bottom

Lat:

49°

2.600

N

Lon:

131°

40.030

W

End

Lat:

49°

2.600

N

Lon:

131°

40.030

W

Extra comments:

+ LOOPS

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID: 2022-008

Station: P14

Event #: 49

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 15 AUG 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples				Comments			
			Target Pressure	Confirmed Pressure	BB	M	M	M	DA					Save sheet after printing labels: YES			
				✓	SAL	Nut-F	CHL	HPLC	TOC								
1	1	224	Bot-10	✓	3359	x			x								
2	2	225	3000	✓	2999.1	x			x								
3	3	226	2500	✓	2499.8	x			x								
4	4	227	2250	✓	2249.6	xx			x								
5	5	228	2000	✓	1999.8	x			x								
6	6	229	1750	✓	1749.5	x			x								
7	7	230	1500	✓	1501.1	xx			x								
8	8	231	1250	✓	1251.2	x			x								
9	9	232	1000	✓	1000.5	x			x								
10	10	233	800	✓	799.3	x			x								
11	11	234	600	✓	600.9	x			x								
12	12	235	400	✓	400.6	x			x								
13	13	236	300	✓	298.9	x			x								
14	14	237	250	✓	249.8	x			x								
15	15	238	200	✓	200.8	x			x								
16	16	239	175	✓	174.7	x			x								
17	17	240	150	✓	150.6	x			x								
18	18	241	125	✓	124.8	x			x								
19	19	242	100	✓	100.5	x			x								
20	20	243	75	✓	74.8	x			x								
21	21	244	50	✓	50.0	x			x								
22	22	245	25	✓	24.4	x			xx								
23	23	246	10	✓	10.5	x			x								
24	24	247	5	✓	4.8	x	x	x	xx	x							

Profile type:

ROSETTE

Watchkeeper(s):

DD, RF

Bottom Depth:

3297

Trans Clean: (Y) / N Fl. Clean: Y / N

Par Status: On / (Off)

Time	UTC	Local
Start	0434	2134
Bottom	0530	2230
End	0701	0001

Positional Information

Lat:	49 ° 7.45	N
Lon:	132 ° 39.800	W

Lat:	49 ° 7.450	N
Lon:	132 ° 40.030	W

Lat:	49 ° 7.468	N
Lon:	132 ° 39.949	W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008

Station: P15

Event #: 51

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 15 08 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	SAL	Nut-F	CHL	HPLC									
1		248*	5	✓ 5	x	x	xx	xx									
2																	
3		50x51	Loop		x		xx										
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: Rosette

Watchkeeper(s): MG

Bottom Depth: 3391

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	1119	0419
Bottom	1153	
End	1228	

Positional Information

Lat: 49 ° 11.99	N
Lon: 133 ° 39.97	W

Lat: 49 ° 11.96	N
Lon: 133 ° 39.93	W

Lat: 49 ° 11.98	N
Lon: 133 ° 39.97	W

Extra comments:

+ LOOPS 1 SAL 2 CHL

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008 Station: P16 Event #: 52 Ship: JP Tully UTC Date (dd|mmm|yyyy): 15. 08. 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments	
			Target Pressure	Confirmed ✓ Pressure		R	B								Save sheet after printing labels:	YES
1		249	5			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: GO FLO

Watchkeeper(s): MG

Bottom Depth: 3609

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	1642	0942
Bottom MR	1647	
End	1653	

Positional Information

Start

Lat:	49 ° 17.03	N
Lon:	134 ° 40.02	W

Bottom

Lat:	49 ° 17.03	N
Lon:	134 ° 40.00	W

End

Lat:	49 ° 17.03	N
Lon:	134 ° 39.96	W

Extra comments:

TM-UBC

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008

Station: P16

Event #: 53

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 15. 08. 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists: Core_Samples				Comments
			Target Pressure	Confirmed Pressure	VAR	DMS	DMSP-d	DMSP-l	Nut-F	CHL	HPLC						
1		250	1000	✓ 1000	X												
2		251	500	✓ 501	X												
3		252	200	✓ 200	X												
4		253	50	✓ 50	X												
5		254	50	✓ 50	X												
6		255	5	✓ 5	X												
7		256	5	✓ 5	X												
8		257	Chl Max	✓ 23	X												2.04
9		258	Chl Max	✓ 23	X												
10		259	400	✓ 400		X	X	X	X								
11		260	150	✓ 150		X	X	X	X								
12		261	100	✓ 100		X			X								
13		262	60	✓ 60					X	X	XX						
14		263	50	✓ 50		X			XX	X	XX						
15		264	40	✓ 40					X	X	XX						
16		265	30	✓ 30		X	X	X	X	X	XX						
17		266	20	✓ 20		XX	XX	XX	X	XX							
18		267	15	✓ 15		X			X	X	XX						
19		268	10	✓ 10		X			X	XX							DRIPPING TOP CAP NOT SEATED
20		269	5	✓ 5		X	X	X	X	X	XX						
21		270	0	✓ 22		X	X	X	X	X							
22																	
23																	
24																	

Profile type: ROSETTE

Watchkeeper(s): MG

Bottom Depth: 3609

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 1704 1004

Bottom 1721

End 1806

Positional Information

Lat: 49 ° 17.02 N

Lon: 134 ° 39.99 W

Lat: 49 ° 17.03 N

Lon: 134 ° 39.97 W

Lat: 49 ° 17.02 N

Lon: 134 ° 40.02 W

Extra comments:

DMS-UVic

out of order

1, 2, 10, 3, 11, 12, 13, 14, 4, 5, 15, 16, 17, 18, 19, 20, 6, 7, 21

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008 Station: P16 Event #: 56 Ship: JP Tully UTC Date (dd|mmm|yyyy): 15 AUG 2022

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments	
			Target Pressure	Confirmed														Save sheet after printing labels: YES	
				√	Pressure		Bulk	Nut-F											
1		271	15				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: GS FLOS

Watchkeeper(s): SR DD

Bottom Depth: 3610

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 1959 1259

Bottom 2021

End 2048

Positional Information

Lat: 49 ° 17.02 N

Lon: 134 ° 39.99 W

Lat: 49 ° 17.03 N

Lon: 134 ° 39.98 W

Lat: 49 ° 17.04 N

Lon: 134 ° 39.97 W

Extra comments:

TM-Bigelow

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008

Station: P16

Event #: 57

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 15 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples				Comments			
			Target Pressure	Confirmed Pressure	W10F	RF	W10C	W10M	BMN								Save sheet after printing labels: YES
1	1	272	Bot-10	✓	3681.6	x		x	x	x							
2	2	273	3500	✓	3500.7	x	x	x	x	x							
3	3	274	3500	✓	3500.7	x	x	x	x	x							
4	4	275	3000	✓	3000.8	xx	xx	x	x	x							
5	5	276	2500	✓	2499.3	x	x	xx	xx	x							
6	6	277	2000	✓	1999.7	x	x	x	x	x							
7	7	278	1500	✓	1499.8	x	x	x	x	x							
8	8	279	1250	✓	1250.1	xx	xx	x	x	x							
9	9	280	1000	✓	1000.5	x	x	x	x	x							
10	10	281	800	✓	800.5	x	x	x	x	x							
11	11	282	600	✓	600.4	x		x	x	x							
12	12	283	400	✓	400.1	x		x	x	x							
13	13	284	300	✓	300.5	x		xx		x							
14	14	285	250	✓	249.8	x		x		x							
15	15	286	200	✓	200.4	xx		x		x							
16	16	287	175	✓	174.4	x		x		x							
17	17	288	150	✓	149.7	x		x		x							
18	18	289	125	✓	124.4	x		x		x							
19	19	290	100	✓	100.1	x		x		x							
20	20	291	75	✓	75.6	x		x		x							
21	21	292	50	✓	50.1	x		x		xx							
22	22	293	25	✓	25.4	xx		x		x							
23	23	294	10	✓	9.6	x		x		x							
24	24	295	5	✓	5.3	x		x		x	x						

Profile type: RF ROS

Watchkeeper(s): RF

Bottom Depth: 3610

Trans Clean: (Y) N Fl. Clean: Y / N

Par Status: On / (Off)

Time	UTC	Local
Start	2058	1358
Bottom	2158	1458
End	2325	1625

Positional Information

Lat: 49 ° 17.020	N
Lon: 134 ° 40.000	W

Lat: 49 ° 17.010	N
Lon: 134 ° 40.020	W

Lat: 49 ° 17.030	N
Lon: 134 ° 40.000	W

Extra comments:

Deep

Water Properties Group

**Program
STN List:**

All_Stns

Sampling Log

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

Cruise ID:

2022-008

Station:

P16

Event #:

59

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

16 Aug 2022

[illegible]

Profile type: TM - Shallow

Watchkeeper(s): DC

Bottom Depth: 3610

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	0255	1753
Bottom	0309	2009
End	0326	2026

Positional Information

Start	Lat:	49 °	17.01	N
	Lon:	134 °	39.97	W

Bottom	Lat: 49 ° 17 . 045 N
	Lon: 134 ° 39 . 874 W

End	Lat:	49 ° 17.045	N
	Lon:	134 ° 39.792	W

Extra comments:

TM-Shallow

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008 Station: P17 Event #: 61 Ship: JP Tully UTC Date (dd|mmm|yyyy): 16 - 08 - 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples				Comments			
			Target Pressure	Confirmed Pressure	SAL	Nut-F	CHL	HPLC					Save sheet after printing labels: YES			
1		306	5	✓	x	x	xx	xx								
2																
3		5061	Loop		x		xx									
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROSETTE

Watchkeeper(s): MK

CHANGE IN HEADER +

Bottom Depth: 3699

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	0752	0052
Bottom	0826	
End	0901	

Positional Information

Lat:	49 ° 21.03	N
Lon:	135 ° 40.01	W

Lat:	49 ° 21.03	N
Lon:	135 ° 39.97	W

Lat:	49 ° 21.02	N
Lon:	135 ° 40.00	W

Extra comments:

+ LOOP 1 sal 2 chl

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008 Station: P18 Event #: 62 Ship: JP Tully UTC Date (dd|mmm|yyyy): 16 ' 08 ' 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments	
			Target Pressure	Confirmed Pressure	A	Nut-F	CHL	HPLC	TOC						Save sheet after printing labels: YES	
1		307	Bot-10	✓	3590				x							
2		308	3500	✓	3500	x			x							
3		309	3000	✓	3001	x			x							
4		310	2500	✓	2501	xx			x							
5		311	2000	✓	2000	x			x							
6		312	1750	✓	1750	x			x							
7		313	1500	✓	1500	xx			x							
8		314	1250	✓	1250	x			x							
9		315	1000	✓	1001	x			x							
10		316	800	✓	800				x							
11		317	600	✓	600				x							
12		318	400	✓	400				x							
13		319	300	✓	300				x							
14		320	250	✓	250				x							
15		321	200	✓	201				x							
16		322	175	✓	174				x							
17		323	150	✓	150				x							
18		324	125	✓	125				x							
19		325	100	✓	100				x							
20		326	75	✓	76				x							
21		327	50	✓	50				x							
22		328	25	✓	25				x							
23		329	10	✓	10				xx							
24		330	5	✓	5		x	x	xx	x						

Profile type: ROSETTE

Watchkeeper(s): MG

Bottom Depth: 3866

Trans Clean: Y N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 1334 0634

Bottom 1441

End 1617

Positional Information

Lat: 49 ° 26.04 N

Lon: 136 ° 39.99 W

Lat: 49 ° 26.01 N

Lon: 136 ° 40.01 W

Lat: 49 ° 26.03 N

Lon: 136 ° 40.00 W

Extra comments:

TOC PROFILE

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008

Station: P19

Event #: 64

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 16 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments	
			Target Pressure	Confirmed Pressure	SAL	Nut-F	CHL	HPLC	DMS								Save sheet after printing labels:	YES
1	2	331	5	✓ 4.8	x	x	xx	xx										
2	1	332	2005	✓ 2006.0					x								DMS Bulk	
3		5064	Loop		x		xx											
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:

ROS

Watchkeeper(s):

RF

Bottom Depth:

3987 3897

Trans Clean:

Y / ☒ N Fl. Clean: Y / N

Par Status:

☒ On / Off

Time

UTC

Local

Start

2052

1352

Bottom

2124

1424

End

2158

1458

Positional Information

Lat:

49 ° 30.090

N

Lon:

137 ° 40.090

W

Lat:

49 ° 30.090

N

Lon:

137 ° 40.100

W

Lat:

49 ° 30.090

N

Lon:

137 ° 40.060

W

Extra comments:

+ LOOPS

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008

Station: P20

Event #: 66

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 17 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments	
			Target Pressure	Confirmed Pressure	DMS	DMSP-d	DMSP-t	Nut-F	CHL	HPLC							Save sheet after printing labels:	YES
1	1	333	400	✓ 400.1	x	x	x	x										
2	2	334	150	✓ 151.3	x	x	x	x										
3	3	335	100	✓ 100.8	x			x										
4	4	336	60	✓ 62.1				x	x	xx								
5	5	337	50	✓ 51.2	x			x	x	xx								
6	6	338	40	✓ 40.8				xx	x	xx								
7	7	339	30	✓ 28.9	x	x	x	x	x	xx								
8	8	340	20	✓ 19.7	xx	xx	xx	x	x									
9	9	341	15	✓ 15.1	x			x	x	xx								
10	10	342	10	✓ 10.8	x			x	xx									
11	11	343	5	✓ 4.8	x	x	x	x										
12	12	344	5	✓ 5.3				x	x	xx								
13	13	345	0	✓ 3.6	x	x	x	x	xx									
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: PDS

Watchkeeper(s): RF

Bottom Depth: 3393 3933

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	0244	1944
Bottom	0251	1951
End	0315	2015

Positional Information

Lat:	49 ° 33.970	N
Lon:	138 ° 40.010	W

Lat:	49 ° 33.950	N
Lon:	138 ° 40.000	W

Lat:	49 ° 33.790	N
Lon:	138 ° 39.840	W

Extra comments:

DMS

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID: 2022-008 Station: P20 Event #: 67 Ship: JP Tully UTC Date (dd|mmm|yyyy): 17 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments	
			Target Pressure	Confirmed ✓ Pressure	OM	AA	MR	M	OH	RB							Save sheet after printing labels: YES	
1	1	346	Bot-10	✓ 4023.4	xx		x	x	x	x								
2	2	347	3500	✓ 3498.6	x	x	x	x	x	x								
3	3	348	3500	✓ 3458.8	x	x	x	x	x	x								
4	4	349	3000	✓ 2999.9	x	x	x	x	x	x								
5	5	350	2500	✓ 2499.3	x	xx	x	x	x	x								
6	6	351	2000	✓ 1998.9	xx	x	x	x	x	x								
7	7	352	1500	✓ 1501.3	x	x	x	x	x	x								
8	8	353	1250	✓ 1248.6	x	x	x	x	x	xx								
9	9	354	1000	✓ 1000.9	x	xx	x	x	x	x								
10	10	355	800	✓ 800.5	x		x	x	x	x								
11	11	356	600	✓ 600.1	xx		x	x	x	x								
12	12	357	400	✓ 401.4	x		xx	xx	x	x								
13	13	358	300	✓ 301.3	x		x		x	x								
14	14	359	250	✓ 251.0	x		x		x	x								
15	15	360	200	✓ 201.4	x		x		x	x								
16	16	361	175	✓ 175.2	x		x		x	x								
17	17	362	150	✓ 149.9	x		x		x	x								
18	18	363	125	✓ 125.4	x		xx		x	xx								
19	19	364	100	✓ 100.6	x		x		x	x								
20	20	365	75	✓ 75.0	x		x		x	x								
21	21	366	50	✓ 50.6	x		x		x	x								
22	22	367	25	✓ 24.8	x		x		x	x								
23	23	368	10	✓ 9.9	x		x		xx	x								
24	24	369	5	✓ 5.0	xx		x		x	x	x							

Profile type: Ros

Watchkeeper(s): RF/RO

Bottom Depth: 3934

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / (Off)

Time	UTC	Local
Start	0352	2052
Bottom	0506	2206
End	0643	2343

Positional Information

Start

Lat: 49 ° 33.980 N

Lon: 138 ° 40.110 W

Bottom

Lat: 49 ° 33.940 N

Lon: 138 ° 40.560 W

End

Lat: 49 ° 34.060 N

Lon: 138 ° 40.010 W

Extra comments:

Deep

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008 Station: P20 Event #: 68 Ship: JP Tully UTC Date (dd|mmm|yyyy): 17. 08. 2022

Rosette Operation		Sampler's Initials / Samples Taken		Sample Lists: Core_Samples		Comments	
Target Pressure	Confirmed Pressure	0 A B				Save sheet after printing labels:	YES
	✓	VAR					

Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Sampler's Initials / Samples Taken	Sample Lists: Core_Samples	Comments
1	1	370	1000	✓ 1000	X		
2	2	371	500	✓ 500	X		
3	3	372	200	✓ 200	X		
4	4	373	50	✓ 50	X		
5	5	374	50	✓ 50	X		
6	8	375	5	✓ 5	X		
7	9	376	5	✓ 5	X		
8	6	377	Chl Max	✓ 30	X		2.28
9	7	378	Chl Max	✓ 30	X		
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Profile type: ROSETTE
Watchkeeper(s): MG

Bottom Depth: 3932
Trans Clean: Y N Fl. Clean: Y / N
Par Status: On / Off
Time UTC Local
Start 0749 0049
Bottom 0807
End 0834

Positional Information
Start Lat: 49 ° 34.08 N
Lon: 138 ° 39.98 W
Bottom Lat: 49 ° 34.05 N
Lon: 138 ° 39.99 W
End Lat: 49 ° 34.06 N
Lon: 138 ° 39.97 W

Extra comments:
UVic
OUT OF ORDER

Water Properties Group

Program
STN List:

All Sins

Sampling Log

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

Cruise ID: 2022-008 Station: P20 Event #: 71 Ship: JP Tully UTC Date (dd|mmm|yyyy): 17. 08. 22

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments		
			Target Pressure	Confirmed Pressure											Save sheet after printing labels:	YES	
1		379	5			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: GOFLO TM

Watchkeeper(s): MG

Bottom Depth: 3934

Trans Clean: Y / N FI Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	1229	0529
Bottom MR	1236	
End	1243	

Positional Information

Lat:	49 °	33.98	N
Lon:	138 °	39.90	W

Lat:	49 °	33.97	N
Lon:	138 °	39.89	W

Lat:	49 °	33.98	N
Lon:	138 °	39.85	W

Extra comments:

TM-UBC

Water Properties Group

**Program
STN List:**

All_Stns

Sampling Log

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

Cruise ID:

2022-008

Station:

P20

Event #:

72

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

17 - 08. 2022

[illegible]

Profile type: GoFLO TM

Watchkeeper(s):

Bottom Depth: 3934

Trans Clean: Y / N FI, Clean: Y / N

Par Status: ~~On~~ / Off

Time	UTC	Local
Start	1432	0732
Bottom MR	1454	
End	1513	

Positional Information

Lat:	49	°	33.95	N
Lon:	138	°	39.95	W

Lat:	49 ° 33.95	N
Lon:	138 ° 39.99	W

Lat:	49 ° 33.94	N
Lon:	138 ° 40.06	W

Extra comments:

TM-Shallow

Program
STN List:

All Strns

Sampling Log

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

Cruise ID: 2022-008

Station:

P20

Event #: 74

Ship: JP Tully

UTC Date (dd|mmm|yyyy):

17.08.2022

[illegible]

Profile type: 60 FLO 5M

Watchkeeper(s): MG

Bottom Depth: 39 34

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: ☒ On / ☐ Off

<i>Time</i>	<i>UTC</i>	<i>Local</i>
-------------	------------	--------------

Start	1718	1808	1018	1108
-------	------	------	------	------

Bottom	MR	1838	1138
--------	----	------	------

End	1907	1217
-----	------	------

Positional Information 34.54

Lat: 49° 33' 7"

Lon: 138 ° ~~39.92~~^{40.08} W

Lat: 49 ° 34.24

Lon: 138 ° 40.07 W

Lat: 49 ° 34.14

Lon: 138 ° 39.89 W

Extra comments:

TM-Deep

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008 Station: P21 Event #: 75 Ship: JP Tully UTC Date (dd|mmm|yyyy): 17/18 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	SAL	Nut-F	CHL	HPLC									
1		390	5	✓ 5.8	x	x	xx	xx									
2																	
3		5075	Loop		x		xx										
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: Ros

Watchkeeper(s): RF

Bottom Depth: 3927

Trans Clean: Y N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	2322	1622
Bottom	2356	1656
End	0028	

Positional Information

Start Lat: 49 ° 38.030 N

Start Lon: 139 ° 40.000 W

Bottom Lat: 49 ° 38.040 N

Bottom Lon: 139 ° 40.020 W

End Lat: 49 ° 38.06 N

End Lon: 139 ° 40.03 W

Extra comments:

+ LOOPS

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008 Station: P22 Event #: 77 Ship: JP Tully UTC Date (dd|mmm|yyyy): 18 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples				Comments		
			Target Pressure	Confirmed Pressure	SAL	Nut-F	CHL	HPLC	TOC	NH4							Save sheet after printing labels:
			✓														
1	1	391	Bot-10	✓	3460.6					x							
2	2	392	3500	✓	3501.0	x				x							
3	3	393	3000	✓	3001.0	x				x							
4	4	394	2500	✓	2498.2	xx				x							
5	5	395	2000	✓	1999.2	x				x							
6	6	396	1750	✓	1749.2	x				x							
7	7	397	1500	✓	1501.9	xx				x							
8	8	398	1250	✓	1248.9	x				x							
9	9	399	1000	✓	995.1	x				x							
10	10	400	800	✓	798.4					x							
11	11	401	600	✓	601.3					x							
12	12	402	400	✓	400.3					x	x						NH4 label for jug (no sample)
13	13	403	300	✓	300					x							
14		404	250	✓	252					x	x						NH4 label for jug (no sample)
15		405	200	✓	200					x							
16		406	175	✓	174					x							
17		407	150	✓	150					x							
18		408	125	✓	126					x							
19		409	100	✓	100					x							
20		410	75	✓	75					x							
21		411	50	✓	51					x							
22		412	25	✓	26					x							
23		413	10	✓	9					xx							
24		414	5	✓	5		x	x	xx	x							

Profile type: Ros

Watchkeeper(s): RF/DD

Bottom Depth: 3864

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	0433	2133
Bottom	0538	2238
End	0719	

Positional Information

Lat:	49 ° 42.079	N
Lon:	140 ° 40.067	W

Lat:	49 ° 42.040	N
Lon:	140 ° 39.970	W

Lat:	49 ° 42.21	N
Lon:	140 ° 39.76	W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008 Station: P23 Event #: 78 Ship: JP Tully UTC Date (dd|mmm|yyyy): 18 08 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments	
			Target Pressure	Confirmed Pressure	SAL	Nut-F	CHL	HPLC	Cindy						Save sheet after printing labels:	YES
1		415	2005	✓ 2005	x										Deep salt water	
2		416	2005	✓ 2005	x										Labels are for cubitainer	
3		417	2005	✓ 2005					x						Water for Cindy	
4		418	5	✓ 5		x	x	xx								
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROSETTE
Watchkeeper(s): MG

Bottom Depth: 4016
Trans Clean: Y / N Fl. Clean: Y / N
Par Status: On / Off
Time UTC Local
Start 1143 0443
Bottom 1218
End 1254

Positional Information
Start Lat: 49 ° 45.96 N
Lon: 141 ° 40.11 W

Bottom Lat: 49 ° 46.00 N
Lon: 141 ° 40.03 W

End Lat: 49 ° 46.01 N
Lon: 141 ° 40.02 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008 Station: P24 Event #: 80 Ship: JP Tully UTC Date (dd|mmm|yyyy): 18 . 08 . 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments	
			Target Pressure	Confirmed ✓ Pressure	SAL	Nut-F	CHL	HPLC	TOC	NH4							Save sheet after printing labels: YES	
1	1	419	Bot-10	✓ 4044					x									
2	2	420	3500	✓ 3500	x				x									
3	3	421	3000	✓ 3001.6	x				x									
4	4	422	2500	✓ 2500.6	xx				x									
5	5	423	2000	✓ 2000.0	x				x									
6	6	424	1750	✓ 1750.7	x				x									
7	7	425	1500	✓ 1499.7	xx				x									
8	8	426	1250	✓ 1249.9	x				x									
9	9	427	1000	✓ 999.5	x				x									
10	10	428	800	✓ 800.0					x									
11	11	429	600	✓ 601.0					x									
12	12	430	400	✓ 399.7					x	x							NH4 Label for jug (no samp	
13	13	431	300	✓ 299.4					x									
14	14	432	250	✓ 249.7					x	x							NH4 Label for jug (no samp	
15	15	433	200	✓ 199.5					x									
16	16	434	175	✓ 175.0					x									
17	17	435	150	✓ 150.0					x									
18	18	436	125	✓ 124.4					x									
19	19	437	100	✓ 99.4					x									
20	20	438	75	✓ 75.4					x									
21	21	439	50	✓ 49.7					x									
22	22	440	25	✓ 25.5					x									
23	23	441	10	✓ 10.4					xx									
24	24	442	5	✓ 5.0		x	x	xx	x									

Profile type: ROSETTE
Watchkeeper(s): MC/RF

Bottom Depth: 4044
Trans Clean: Y / N Fl. Clean: Y / N
Par Status: On / Off
Time UTC Local
Start 1718 1018
Bottom 1829 1129
End 1954 1254

Positional Information
Start Lat: 49 ° 56.07 N
Lon: 142 ° 40.00 W

Bottom Lat: 49 ° 50.00 N
Lon: 142 ° 39.99 W

End Lat: 45 ° 50.041 N
Lon: 142 ° 40.063 W

Extra comments:

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID: 2022-008 Station: P25 Event #: 81 Ship: JP Tully UTC Date (dd|mmm|yyyy): 19 AUG 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ☒ Pressure	SAL	Nut-F	CHL	HPLC									
1	1	443	5	✓ 4.7	x	x	xx	xx									
2																	
3		5081	Loop		x		xx										
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: ROS

Watchkeeper(s): MR/DP

Bottom Depth: 4111

Trans Clean: ☒ N FI. Clean: ☒ Y / ☒ N

Par Status: ☒ On / Off

Time	UTC	Local
Start	0002	1702
Bottom	0035	1735
End	0108	1808

Positional Information

Lat:	50 ° 00.02	N
Lon:	143 ° 36.29	W

Start

Lat:	50 ° 00.042	N
Lon:	143 ° 36.302	W

Bottom

Lat:	50 ° 00.036	N
Lon:	143 ° 36.283	W

End

Extra comments:

+ LOOPS

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID: 2022-008

Station: P35

Event #: 82

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 19 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples				Comments			
			Target Pressure	Confirmed ✓ Pressure	SAL	Nut-F	CHL	HPLC								
1		444	5			x	x	xx								
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: Ros

Watchkeeper(s): RF

Bottom Depth: 4112

Trans Clean: Y N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	0410	2110
Bottom	0443	2143
End	0515	2215

Positional Information

Lat:	50 ° 0.020	N
Lon:	144 ° 18.210	W

Lat:	50 ° 0.020	N
Lon:	144 ° 18.230	W

Lat:	50 ° 0.050	N
Lon:	144 ° 18.250	W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008 Station: P26 Event #: 83 Ship: JP Tully UTC Date (dd|mmm|yyyy): 19 . 08 . 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples				Comments			
			Target Pressure	Confirmed Pressure	VAR								Save sheet after printing labels: YES			
1	1	445	1000	✓ 1000	X											
2	2	446	500	✓ 500	X											
3	3	447	200	✓ 200	X											
4	4	448	50	✓ 50	X											
5	5	449	50	✓ 50	X											
6	8	450	5	✓ 5	X											
7	9	451	5	✓ 5	X											
8	6	452	Chl Max	✓ 40	X											
9	7	453	Chl Max	✓ 40	X											
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROSETTE

Watchkeeper(s): MG

Bottom Depth: 4209

Trans Clean: Y N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	0818	0118
Bottom	0836	
End	0904	

Positional Information

Lat:	49 ° 59.99	N
Lon:	144 ° 59.90	W

Start

Lat:	49 ° 59.99	N
Lon:	144 ° 59.90	W

Bottom

Lat:	49 ° 59.99	N
Lon:	145 ° 00.01	W

End

Extra comments:

UVic

OUT OF ORDER

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008 Station: P26 Event #: 87 Ship: JP Tully UTC Date (dd|mmm|yyyy): 19.08.2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples				Comments			
			Target Pressure	Confirmed ☒ Pressure	Bulk								Save sheet after printing labels: YES			
1		*454	810			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: GO FLO UBC
Watchkeeper(s): MG

Bottom Depth: 4210
Trans Clean: Y / N Fl. Clean: Y / N
Par Status: On / Off

Time	UTC	Local
Start	1408	0708
Bottom MR	1414	
End	1421	

Positional Information
Start Lat: 49 ° 59.99 N
Lon: 145 ° 00.08 W

Bottom Lat: 50 ° 00.04 N
Lon: 145 ° 00.14 W

End Lat: 50 ° 00.05 N
Lon: 145 ° 00.12 W

Extra comments:
TM-UBC

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID: 2022-008 Station: P26 Event #: 89 Ship: JP Tully UTC Date (dd|mmm|yyyy): 19. 08. 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ✓ Pressure		Bulk	Nut-F									
1		455	15			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: GO FLO Big

Watchkeeper(s): MG

Bottom Depth: 4209

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	1753	1053
Bottom MR	1806	
End	1824	

Positional Information

Lat:	49 ° 59.61	N
Lon:	144 ° 59.91	W

Lat:	49 ° 59.61	N
Lon:	144 ° 59.85	W

Lat:	49 ° 59.61	N
Lon:	144 ° 59.79	W

Extra comments:

TM-Bigelow

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2022-008

Station:

P26

Event #:

90

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

19 Aug 2022

Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists: Core_Samples				Comments			
Target Pressure	Confirmed Pressure	MR	DC	DC	DD	MR-DC	MR-DC	RF	RF	RF	DD			Save sheet after printing labels:			YES
	✓	DMS	DMSP-d	DMSP-t	Nut-F	CHL	HPLC	Glut	Glut	Form	PIC						

Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	MR	DC	DC	DD	MR-DC	MR-DC	RF	RF	RF	DD				
1	1	456	400	✓ 400.4	x	x	x	x										
2	2	457	200	✓ 199.6	x	x	x	x										
3	3	458	150	✓ 150.4	x	x	x	x										
4	4	459	100	✓ 99.7	x			x										
5	5	460	75	✓ 75.9	x			x	xx									
6	6	461	60	✓ 61.1				x	x	xx								
7	7	462	50	✓ 51.2	x			x	x	xx								
8	8	463	40	✓ 40.7	x			x	x	xx								
9	9	464	30	✓ 30.6	x	x	x	x	x	xx								
10	10	465	25	✓ 25.6	x			x	xx									
11	11	466	20	✓ 20.7	xx	xx	xx	x	x									
12	12	467	15	✓ 14.9	x			xx	x	xx								
13	13	468	10	✓ 9.9	x			x	x									
14	14	469	5	✓ 4.8	x	x	x	x					x					
15	15	470	5	✓ 5.0				x	x	xx	x	x	x					
16	16	471	0	✓ 2.4	x	x	x	x	x									
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: ROS
Watchkeeper(s): RF

Bottom Depth: 4209
Trans Clean: (Y) / N Fl. Clean: Y / N
Par Status: (On) / Off
Time UTC Local
Start 2105 1405
Bottom 2113 1413
End 2140 1440

Positional Information
Lat: 50 ° 00.600 N
Lon: 144 ° 59.910 W

Lat: 50 ° 00.010 N
Lon: 144 ° 59.910 W

Lat: 50 ° 00.020 N
Lon: 144 ° 59.930 W

Extra comments:
DMS

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID: 2022-008 Station: P26 Event #: 91 Ship: JP Tully UTC Date (dd|mmm|yyyy): 19 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core_Samples										Comments
			Target Pressure	Confirmed ✓ Pressure		Bulk	Nut-F											
1		472	15			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: Go-Fl6

Watchkeeper(s): SR RF

Bottom Depth: 4210

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	2245	1545
Bottom	2305	
End	2324	

Positional Information

Lat:	49° 59.69	N
Lon:	144° 59.80	W

Lat:	49° 59.65	N
Lon:	144° 59.71	W

Lat:	49° 59.63	N
Lon:	144° 59.67	W

Extra comments:

TM-Bigelow -2

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments	
			Target Pressure	Confirmed ✓ Pressure	MO	M	AR	AR	D	ABR							Save sheet after printing labels: YES	
					OXY	Sal	Nut-F	Nut-C	TOC	DIC	PIC							
1	1	473	Bot-10	✓ 4318.1	x		x	x	x	x								
2	2	474	4000	✓ 4001.5	x	x	x	x	x	x								
3	3	475	3500	✓ 3462.9	xx	x	x	x	x	x								
4	4	476	3000	✓ 3000.6	x	x	x	x	x	x								
5	5	477	2500	✓ 2500.2	x	xx	xx	xx	x	x								
6	6	478	2000	✓ 1999.3	x	x	x	x	x	x								
7	7	479	1500	✓ 1500.1	xx	x	x	x	x	x								
8	8	480	1250	✓ 1251.0	x	x	x	x	x	x								
9	9	481	1000	✓ 1001.5	x	xx	x	x	x	x								
10	10	482	800	✓ 800.5	x		x	x	x	x								
11	11	483	600	✓ 600.5	x		x	x	x	xx								
12	12	484	400	✓ 401.4	x		x	x	x	x								
13	13	485	300	✓ 300.2	x		x		x	x								
14	14	486	250	✓ 251	x		x		x	x								
15	15	487	200	✓ 201	x		x		x	x								
16	16	488	175	✓ 175	x		x		x	xx								
17	17	489	150	✓ 150	x		x		x	x								
18	18	490	125	✓ 126	x		x		x	x								
19	19	491	100	✓ 101	x		x		x	x								
20	20	492	75	✓ 76	xx		x		x	x								
21	21	493	50	✓ 50	x		xx		x	x								
22	22	494	25	✓ 25	x		x		x	x								
23	23	495	10	✓ 11	x		x		x	x								
24	24	496	5	✓ 5	xx		x		xx	x	x							

Profile type: ROS

Watchkeeper(s): RF

Bottom Depth: 4222

Trans Clean: Y / (N) Fl. Clean: Y / N

Par Status: On / (Off)

Time	UTC	Local
Start	0422	2122
Bottom	0532	2232
End	0716	

Positional Information

Start	Lat: 50 ° 0.070	N
	Lon: 145 ° 0.046	W

Bottom	Lat: 50 ° 0.020	N
	Lon: 145 ° 0.080	W

End	Lat: 50 ° 00.07	N
	Lon: 145 ° 00.04	W

Extra comments:

Deep

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID: 2022-008 Station: PA-016 Event #: 93 Ship: JP Tully UTC Date (dd|mmm|yyyy): 20 08 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: Core_Samples				Comments	
			Target Pressure	Confirmed	OXY											Save sheet after printing labels:	
				✓ Pressure													YES
1		497	10	✓	10	xx											CHL MAX @ 1/2 3.2
2		498	5	✓	5	xx											
3		499	0	✓	1.3	xx											A.R
4				✓	26												
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: ROSETTE

Watchkeeper(s): MG

Bottom Depth: 4202

Trans Clean: Y N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	0826	0126
Bottom	0939	
End	1050	

Positional Information

Start Lat: 50 ° 04.60 N

Start Lon: 144 ° 53.26 W

Bottom Lat: 50 ° 04.61 N

Bottom Lon: 144 ° 53.28 W

End Lat: 50 ° 04.56 N

End Lon: 144 ° 53.30 W

Extra comments:

Water Properties Group Program STN List: All_Stns **Sampling Log** **Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC**
 Cruise ID: 2022-008 Station: P26 Event #: 94 Ship: JP Tully UTC Date (dd|mmm/yyyy): 20-08-2022

All_Stns

Water Properties Group Program STN List: All_Stns **Sampling Log** **Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC**
 Cruise ID: 2022-008 Station: P26 Event #: 94 Ship: JP Tully UTC Date (dd|mmm/yyyy): 20-08-2022

Water Properties Group Program STN List: All_Stns **Sampling Log** **Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC**
 Cruise ID: 2022-008 Station: P26 Event #: 94 Ship: JP Tully UTC Date (dd|mmm/yyyy): 20-08-2022

20.08.2022

Extra comments:

TM-1500

Water Properties Group

**Program
STN List:**

All Stns

Sampling Log

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

Cruise ID:

2022-008

Station:

P26

Event #:

96

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

20.08.2022

[illegible]

Profile type: Go F10 TM

Watchkeeper(s): M G

Bottom Depth: 4222

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: ☒ On / ☐ Off

<i>Time</i>	<i>UTC</i>	<i>Local</i>
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Start	164.3	0943
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Bottom MR 1702

End	1727
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Positional Information

Lat: 50 ° 06.03 N

Lon: 145 ° 00.15 W

Lat: 50° 00.01' N

Lon: 145 ° 00.19 W

Lat: 50° 00.65

Lon: 145 ° 00.16 W

Extra comments:

TM-400

Water Properties Group **Program** **STN List:** All_Sins **Sampling Log** **Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC**

Program
STN List:

All_Stns

Sampling Log

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

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

Station: P26

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 20.08.2022

Profile type: GO FLO TM

Watchkeeper(s): Mr.

Bottom Depth: 4222

Trans Clean: Y / N Fl Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	1751	1051
Bottom MR	1809	
End	1826	

Positional Information

Lat:	50	°	00	.05	N
Lon:	145	°	00	14	W

Lat:	50 ° 00.06	N
Lon:	145 ° 00.14	W

Lat:	50 ° 00.06	N
Lon:	145 ° 00.19	W

Extra comments:

TM-100

