

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P16 Event #: 54 Ship: Tully UTC Date (dd|mmm|yyyy): 15 | 2 | 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments				
			Target Pressure	Confirmed ✓ Pressure	OXY	Sal	Nut-F	Nut-C	DIC	pH			Gases	UBC	Céline				
					MBK	K	MB	MB	KJ	CC									
1		484	Bot-10	✓	3683	x		x	x	x	x		xxxx	x					
2		485	3500	✓	3500	x	x	x	x	xx	x								
3		486	3500	✓	3500	x	x	x	x	x	xxx								
4		487	3000	✓	2999	x	xx	x	x	x	x		xxxx	x					
5		488	2500	✓	2499	xx	x	x	x	x	x								
6		489	2000	✓	2000	x	xx	x	x	x	x		xxxx	x					
7		490	1500	✓	1500	x	x	x	x	x	x		xxxx	x	x				
8		491	1250	✓	1250	x	xx	xx	xx	x	x		xxxx	x					
9		492	1000	✓	1000	x	x	x	x	x	x		xxxx	x	x				
10		493	800	✓	800	x		x	x	x	x		xxxx	x					
11		494	600	✓	600	x		x	x	x	x		xxxx	x	x				
12		495	400	✓	400	x		x	x	x	x		xxxx	x					
13		496	300	✓	300	xx		x		x	x		xxxx	x					
14		497	250	✓	250	x		x		x	xxx								
15		498	200	✓	200	x		x		x	x		xxxx	x	x				
16		499	175	✓	175	xx		x		x	x								
17		500	150	✓	150	x		x		x	x		xxxx	x					
18		501	125	✓	125	x		x		x	x								
19		502	100	✓	100	x		x		x	x		xxxx	x	x				
20		503	75	✓	75	xx		x		x	x								
21		504	50	✓	50	x		xx		x	x		xxxx	x					
22		505	25	✓	25	x		x		x	x		xxxx	x					
23		506	10	✓	10	x		x		x	x		xxxx	x					
24		507	5	✓	5	x	x	x		x	x								

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

Bottom Depth: 2320 3633 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0632	2232
Bottom	0733	
End	0853	

Positional Information

Lat:	49 ° 17.01	N
Lon:	134 ° 40.00	W

Start

Lat:	49 ° 17.01	N
Lon:	134 ° 40.01	W

Bottom

Lat:	49 ° 17.01	N
Lon:	134 ° 40.01	W

End

Lat:	49 ° 17.01	N
Lon:	134 ° 40.01	W

Extra comments:
Deep cast

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P16 Event #: 56 Ship: Tully UTC Date (dd|mmm|yyyy): 15 | 02 | 2015

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ☒	Pressure	TM filt	TM un-filt											
1		508	40			x	x											
2		509	20			xx	xx											
3		510	10			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: TM Pump
ROS TRM X-Niskin (other?)
Watchkeeper(s): KS

Bottom Depth: 3633 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1014	
Bottom	1030	
End	1126	

Positional Information

Lat:	49° 17.01	N
Lon:	134° 40.00	W

Start

Lat:	°	N
Lon:	°	W

Bottom

Lat:	°	N
Lon:	°	W

End

Lat:	49° 17.01	N
Lon:	134° 40.01	W

Extra comments:
TM pumping

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P16 Event #: 57 Ship: Tully UTC Date (dd mmm yyyy): 15 Oct 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials								Comments			
			Target Pressure	Confirmed ☒ Pressure	TM filt	TM un-filt	Sal	Nut-Fr								
1		511	150		x	x	x	x								
2		512	125		xx	xx										
3		513	75		x	x										
4		514	50		x	x										
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
ROS TRM ☒ X-Niskin other?

Watchkeeper(s): K.S.

Bottom Depth: 3632 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	11:34	
Bottom		
End	12:05	

Positional Information

StartLat: 49 ° 17 . 01 N
Lon: 134 ° 40 . 01 W

BottomLat: ° N
Lon: ° W

EndLat: 49 ° 17 . 01 N
Lon: 134 ° 40 . 01 W

Extra comments:

TM Shallow Go-flos

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01

Station: P16

Event #: 59

Ship: Tully

UTC Date (dd mmm yyyy): 15 02 15

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials				Comments								
			Target Pressure	Confirmed Pressure	TM	TM	Sal	Nut-Fr									
					filt	un-filt											
1		515	800				x	x	x	x							
2		516	600				xx	xx									
3		517	400				x	x									
4		518	200				x	x									
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM ☒ Niskin other?
Watchkeeper(s): K.S MB

Bottom Depth:	3633	m
Transmisso Cleaned:	Y	I N

Time	UTC	Local
Start	13:19	0519
Bottom	13:50	
End	14:27	

Positional Information
Start
Lat: 49 ° 17.01 N
Lon: 134 ° 40.01 W

Bottom
Lat: 49 ° 17.01 N
Lon: 134 ° 40.01 W

End
Lat: 49 ° 17.01 N
Lon: 134 ° 40.01 W

Extra comments:
TM Deep Go-flos

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01

Station: P16

Event #: 60

Ship: Tully

UTC Date (dd|mmm|yyyy): 15 | Feb | 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials													Comments
			Target Pressure	Confirmed Pressure	Cs													
1		519	500	✓	500		x											
2		520	500	✓			x											
3		521	500	✓			x											
4		522	500	✓			x											
5		523	500	✓			x											
6		524	500	✓			x											
7		525	400	✓	400		x											
8		526	400	✓			x											
9		527	400	✓			x											
10		528	400	✓			x											
11		529	400	✓			x											
12		530	400	✓			x											
13		531	300	✓	300		x											
14		532	300	✓			x											
15		533	300	✓			x											
16		534	300	✓			x											
17		535	300	✓			x											
18		536	300	✓			x											
19		537	200	✓	200		x											
20		538	200	✓			x											
21		539	200	✓			x											
22		540	200	✓			x											
23		541	200	✓			x											
24		542	200	✓			x											

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

Bottom Depth:	3633	m
Transmisso Cleaned:	☒ Y ☐ N	

Time	UTC	Local
Start	14:35	06:35
Bottom	14:43	
End	14:55	

Positional Information
Start
Lat: 49 ° 17 01 N
Lon: 134 ° 40 01 W

Bottom
Lat: 49 ° 17 01 N
Lon: 134 ° 40 01 W

End
Lat: 49 ° 17 01 N
Lon: 134 ° 40 01 W

Extra comments:
Deep Cesium cast

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01

Station: P17

Event #: 63

Ship: Tully

UTC Date (dd|mmm|yyyy): 15 | FEB | 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments		
			Target Pressure	Confirmed ✓ Pressure	Nut-F	Sal	Chl	HPLC		Nd							
1	1	543	Bot-10	✓	3763						x						P = 3763 D = 3698 S = 3701 A = 9.5
2	2	544	Bot-10	✓	3763						x						
3	3	545	3000	✓	3000						x						paused @ 3125 steering trouble
4	4	546	3000	✓	3000						x						
5	5	547	2500	✓	2501						x						
6	6	548	2500	✓	2501						x						
7	7	549	2000	✓	2001						x						
8	8	550	2000	✓	2000						x						
9	9	551	1500	✓	1500						x						
10	10	552	1500	✓	1500						x						
11	11	553	1000	✓	1001						x						
12	12	554	1000	✓	1001						x						
13	13	555	800	✓	801						x						
14	14	556	800	✓	801						x						
15	15	557	600	✓	600						x						
16	16	558	600	✓	600						x						
17	17	559	400	✓	400						x						
18	18	560	400	✓	400						x						
19	19	561	200	✓	201						x						
20	20	562	200	✓	201						x						
21	21	563	50	✓	50						x						
22	22	564	50	✓	50						x						
23	23	565	50	✓	50	x			x x	x x							
24	24	566	5	✓	5	x	x		x x	x x							

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

Bottom Depth:	3657	m
Transmisso Cleaned:	☒ Y ☐ N	

Time	UTC	Local
Start	18:59	10:59
Bottom	2003	
End	2124	

Positional Information	
Start	Lat: 49 ° 21 01 N Lon: 135 ° 40 13 W

Bottom	Lat: 49 ° 20.95 N Lon: 135 ° 40.17 W
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End	Lat: 49 ° 20.95 N Lon: 135 ° 40.22 W
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Extra comments:
Cast + Maureen

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P18 Event #: 64 Ship: Tully UTC Date (dd/mmm/yyyy): 16 / 2 / 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials								Comments					
			Target Pressure	Confirmed ☒ Pressure	Nut-F	Sal	Chl	HPLC										
1	1	567	50	✓ 50	x		x x	x x										
2	2	568	5	✓ 6	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): DY

Bottom Depth: 3832 m
Transmisso Cleaned: Y / ☒ N

Time	UTC	Local
Start	0238	1838
Bottom	0313	
End	0346	

Positional Information

Lat:	49 ° 26.03	N
Lon:	136 ° 40.04	W

▼

Lat:	49 ° 25.95	N
Lon:	136 ° 39.87	W

▼

Lat:	49 ° 25.07	N
Lon:	136 ° 39.82	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P19 Event #: 65/66 Ship: Tully UTC Date (dd|mmm|yyyy): 16 | Feb | 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials								Comments			
			Target Pressure	Confirmed Pressure	Nut-F	Sal	Chl	HPLC								
24	1	569	50	✓ 50	x		x x	x x					Test line bottle 1 when computer crashed (~120m) not sure if it dated use bottles 2+3 for samples			
32	2	570	5	✓ ~5	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): MB

Bottom Depth: 3928 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	10:11	02:11
Bottom	10:45	
End	11:39	

Positional Information

Lat:	49 ° 29 99	N
Lon:	137 ° 40 11	W

Start

Lat:	49 ° 29 95	N
Lon:	137 ° 40 16	W

Bottom

Lat:	49 ° 29 92	N
Lon:	137 ° 40 10	W

End

Extra comments:
used bottles 2+3

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01

Station: P20

Event #: 67

Ship: Tully

UTC Date (dd|mmm|yyyy): 16 FEB 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials								Comments							
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	DIC	pH			Gases	UBC	Céline	Cr iso				
				✓	07/AS					MR/AN	62			51/16P						
1		571	Bot-10	✓	4025	x		x	x	x	x			xx	x		x		p=4025 D=3930 S=3966 A=11.5	
2		572	3500	✓	3500	x	x	x	x	xx	x			xx						
3		573	3500	✓	3500	x	x	x	x	x	xxx						x			
4		574	3000	✓	3000	x	xx	x	x	x	x			xx	x					
5		575	2500	✓	2501	xx	x	x	x	x	x			xx			x			
6		576	2000	✓	2001	x	xx	x	x	x	x			xx	x					
7		577	1500	✓	1500	x	x	x	x	x	x			xx	x	x	x			
8		578	1250	✓	1250	x	x	xx	xx	x	x			xx	x		x			
9		579	1000	✓	1000	x	xx	x	x	x	x			xx	x	x				
10		580	800	✓	800	x	x	x	x	x	x			xx	x		x			
11		581	600	✓	600	x	x	x	x	x	x			xx	x	x				
12		582	400	✓	401	x	x	x	x	x	x			xx	x		x			
13		583	300	✓	300	xx	x	x		x	x			xx	x					
14		584	250	✓	252	x	x	x		x	xxx						x			
15		585	200	✓	201	x	x	x		x	x			xx	x	x				
16		586	175	✓	175	x	x	x		x	x						x			
17		587	150	✓	150	xx	x	x		x	x			xx	x					
18		588	125	✓	125	x	x	x		x	x						x			
19		589	100	✓	100	x	x	x		x	x			xx	x	x				
20		590	75	✓	75	x	x	x		x	x						x			
21		591	50	✓	51	x	x	xx		x	x			xx	x					
22		592	25	✓	25	x	x	x		x	x			xx	x		x			
23		593	10	✓	10	xx	x	x		x	x			xx	x					
24		594	5	✓	5	x	x	x		x	x									

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): MR/DY

Bottom Depth: 3966 m

Transmisso Cleaned: (Y) N

Time UTC Local

Start 18 20 10 20

Bottom 19 26

End 20 52

Positional Information

Lat: 49 ° 34 06 N

Lon: 138 ° 40 07 W

Lat: 49 ° 34 06 N

Lon: 138 ° 40 07 W

Lat: 49 ° 34.06 N

Lon: 138 ° 40.07 W

Extra comments:

Deep cast

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P20

Event #: 68

Ship: Tully

UTC Date (dd|mmm|yyyy): 16 | 02 | 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ☒ Pressure	TM filt	TM un-filt											
1		595	40	☒	x x	x x											
2		596	20	☒	x	x											
3		597	10	☒	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 TRM X-Niskin other? ☒ Pump
Watchkeeper(s): K.S. D.V.

Bottom Depth: 3965 m

Transmisso Cleaned: Y I N

Time	UTC	Local
Start	2110	
Bottom	2245	
End	2245	

Positional Information

Lat:	49 ° 35.0	N
Lon:	138 ° 40.0	W

Start

Lat:	°	N
Lon:	°	W

Bottom

Lat:	°	N
Lon:	°	W

End

Lat:	49 ° 34.00	N
Lon:	138 ° 40.06	W

Extra comments:
TM pumping

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P20

Event #: 69

Ship: Tully

UTC Date (dd|mmm|yyyy): 16 | 02 | 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials				Comments									
			Target Pressure	Confirmed ☒ Pressure	TM filt	TM un-filt	Sal	Nut-Fr										
1		598	150	✓ 175	x x	x x	x	x										
2		599	125		x	x												
3		600	75	✓	x	x												
4		601	50	✓	x	x												
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:	ROS	TRM	☒ X-Niskin	other?
Watchkeeper(s):	KS. DY			

Bottom Depth: 3965 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2249	
Bottom	2259	1405
End	2310	

Positional Information

Lat:	49 ° 33.99	N
Lon:	138 ° 40.06	W

Lat:	49 ° 33.98	N
Lon:	138 ° 40.06	W

Lat:	49 ° 33.99	N
Lon:	138 ° 40.07	W

Extra comments:

TM Shallow Go-flos

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01

Station: P20

Event #: 70

Ship: Tully

UTC Date (dd|mmm|yyyy): 16 | 2 | 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments				
			Target Pressure	Confirmed Pressure	DMS	DMSP	DMSP	Nut-F		Chl	HPLC								
				✓			t	d											
1		602	300	✓	300	x			x										SPIGOT LEAKING - LOTS OF BUBBLES NOT CLOSED
2		603	200	✓	200	x	x	x	x										
3		604	175	✓	177	x	x	x	x										
4		605	100	✓	100	x	x	x	x		x								
5		606	75	✓	75	x			x		x								
6		607	50	✓	50	x			x		xx	xx							
7		608	40	✓	38	x			x		x								
8		609	30	✓	31	x			x		x								
9		610	25	✓	24	x			x		x								
10		611	20	✓	19	xx	xx	xx	x		xx	xx							
11		612	15	✓	15	x			x		x								
12		613	10	✓	10	x			xx		x								
13		614	5	✓	5	x	x	x	x		xx	xx							
14		615	0	✓	1	x	x	x	x		x								NISKIN NOT CLOSED
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): DY

Bottom Depth: 3695 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 2323 1523

Bottom 2328

End 2346

Positional Information

Lat: 48° 33.99 N

Lon: 138° 40.14 W

Lat: 48° 33.92 N

Lon: 138° 40.16 W

Lat: 48° 33.93 N

Lon: 138° 40.16 W

Extra comments:

DMS cast

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P20 Event #: 73 Ship: Tully UTC Date (dd/mmm/yyyy): 17 / 2 / 15

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials												Comments	
			Target	Confirmed	Pressure	TM	TM	Sal	Nut-Fr										
			Pressure	✓		Pressure	filt	un-filt											
1		616	800			x x	x x	x	x										
2		617	600			x	x												
3		618	400			x	x												
4		619	200			x	x												
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s): KS DY

Bottom Depth: 3964 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0130	5:54 PM
Bottom	0158	
End	0230	

Positional Information

Start Lat: 49° 33.86 N

Start Lon: 138° 40.17 W

Bottom Lat: 49° 33.88 N

Bottom Lon: 138° 40.18 W

End Lat: 49° 33.88 N

End Lon: 138° 40.18 W

Extra comments:

TM Deep Go-flos

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01

Station: P21

Event #: 76

Ship: Tully

UTC Date (dd|mmm|yyyy): 17 | 2 | 15

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed Pressure	Nut-F	Sal	Chl	HPLC		Cs								
1	1	620	300	✓	300						x							
2	2	621	300	✓							x							
3	3	622	300	✓							x							
4	4	623	300	✓							x							
5	5	624	300	✓							x							
6	6	625	300	✓							x							
7	7	626	150	✓	150						x							
8	8	627	150	✓							x							
9	9	628	150	✓							x							
10	10	629	150	✓							x							
11	11	630	150	✓							x							
12	12	631	150	✓							x							
13	13	632	50	✓	50						x							
14	14	633	50	✓							x							
15	15	634	50	✓							x							
16	16	635	50	✓							x							
17	17	636	50	✓							x							
18	18	637	50	✓		x		x x	x x		x							
19	19	638	5	✓	5						x							
20	20	639	5	✓							x							
21	21	640	5	✓							x							
22	22	641	5	✓							x							
23	23	642	5	✓							x							
24	24	643	5	✓		x	x	x x	x x		x							

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

Bottom Depth: 3959 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0612	2212
Bottom	0646	
End	0723	

Positional Information

Lat:	49 ° 37.98	N
Lon:	139 ° 40.05	W

Start

Bottom

Lat:	49 ° 39.00	N
Lon:	139 ° 39.96	W

End

Lat:	49 ° 39.02	N
Lon:	139 ° 40.05	W

Extra comments:
Cast + Cesium

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01

Station: P22

Event #: 78

Ship: Tully

UTC Date (dd|mmm|yyyy): 17 | FEB | 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed Pressure	Nut-F	Sal	Chl	HPLC	Nut-C						
1	1	644	600	✓ 601	x				x						Nutrients water
2	2	645	50	✓ 49	x		x x	x x							
3	3	646	5	✓ 4	x	x	x x	x x							
4	4	647	5	✓ 4	x				x						Nutrients water
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): MR

Bottom Depth: 3893 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1058	0258
Bottom	1131	
End	1207	

Positional Information

Start	Lat: 49 ° 42 05 N
	Lon: 140 ° 39 95 W

Bottom	Lat: 49 ° 42 05 N
	Lon: 140 ° 39 94 W

End	Lat: 49 ° 42 05 N
	Lon: 140 ° 39 90 W

Extra comments:

Not Daily Cal
water for 2015

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01

Station: P23

Event #: 80

Ship: Tully

UTC Date (dd|mmm|yyyy): 17 | Feb | 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed Pressure	Nut-F	Sal	Chl	HPLC	DIC	pH								
				✓														
1	1	648	2005	✓		x			x x x	x x x								
2	2	649	2005	✓		x			x x x	x x x								
3	3	650	2005	✓		x			x x x	x x x								
4	4	651	2005	✓		x			x x x	x x x								
5	5	652	2005	✓		x			x x x	x x x								
6	6	653	2005	✓		x												
7	7	654	2005	✓		x												
8	8	655	2005	✓		x												
9	9	656	2005	✓		x												
10	10	657	2005	✓		x												
11	11	658	2005	✓		x												
12	12	659	2005	✓		x												
13	13	660	2005	✓		x												
14	14	661	2005	✓		x												
15	15	662	2005	✓		x												
16	16	663	2005	✓		x												
17	17	664	2005	✓		x												
18	18	665	2005	✓		x												
19	19	666	2005	✓		x												
20	20	667	2005	✓		x												
21	21	668	2005	✓		x												
22	22	669	2005	✓		x												
23	23	670	50	✓		x	x	x x	x x									
24	24	671	5	✓		x	x	x x	x x									

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

Bottom Depth: 4050 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1546	0746
Bottom	1619	
End	1652	

Positional Information

Lat:	49 ° 46 02	N
Lon:	141 ° 40 03	W

Bottom

Lat:	49 ° 45 98	N
Lon:	141 ° 39 99	W

End

Lat:	49 ° 46 01	N
Lon:	141 ° 39 83	W

Extra comments:
Calibration cast
plus water for Sarah Z

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P24 Event #: 81 Ship: Tully UTC Date (dd|mmm|yyyy): 17|2|2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials				Comments
			Target Pressure	Confirmed Pressure	Nut-F	Sal	Chl	HPLC	
1	1	672	50	✓ 51	x		xx	xx	
2	2	673	5	✓ 5	x	x	xx	xx	
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): 24

Bottom Depth:	3987	m
Transmisso Cleaned:	☒ Y ☐ N	

Time	UTC	Local
Start	2038	1238
Bottom	2111	
End	2146	

Positional Information	
Start	Lat: 49 ° 50.27 N
	Lon: 142 ° 40.09 W

Bottom	Lat: 49 ° 50.39 N
	Lon: 142 ° 40.09 W

End	Lat: 49 ° 50.36 N
	Lon: 142 ° 40.24 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P25 Event #: 84 Ship: Tully UTC Date (dd|mmm|yyyy): 18|2|15

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials								Comments			
			Target Pressure	Confirmed Pressure	Nut-F	Sal	Chl	HPLC								
1	1	674	50	✓ 50	x		x x	x x								
2	2	675	5	✓ 5	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): DY

Bottom Depth: 4148 m
 Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0155	1755
Bottom	0228	
End	0301	

Positional Information

Lat:	49 ° 59.97	N
Lon:	143 ° 36.30	W

Start

Bottom

End

Lat: 50 ° 0.01 N
 Lon: 143 ° 36.39 W

Lat: 50 ° 0.03 N
 Lon: 143 ° 36.57 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01

Station: P35

Event #: 85

Ship: Tully

UTC Date (dd|mmm|yyyy): 18 | 2 | 15

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments	
			Target Pressure	Confirmed Pressure	Nut-F	Sal	Chl	HPLC								
1	1	676	50	✓ 50	x		x x	x x								
2	2	677	5	✓ 5	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): JY

Bottom Depth: 4.50 m

Transmisso Cleaned: ④ / N

Time	UTC	Local
Start	0612	2212
Bottom	0645	
End	0719	

Positional Information

Start
Lat: 49° 59.88' N
Lon: 144° 18.26' WBottom
Lat: 49° 59.84' N
Lon: 144° 18.27' WEnd
Lat: 49° 59.86' N
Lon: 144° 18.30' W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P26 Event #: 86 Ship: Tully UTC Date (dd|mmm|yyyy): 18 FEB 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments	
			Target Pressure	Confirmed ✓ Pressure				Plastics										
1	1	678	Bot-10	✓	4315				x									
2	2	679	4000	✓	4100				x									
3	3	680	3500	✓	3500				x									
4	4	681	3000	✓	3000				x									
5	5	682	2500	✓	2500				x									
6	6	683	2000	✓	2000				x									
7	7	684	1500	✓	1500				x									
8	8	685	1250	✓	1250				x									
9	9	686	1000	✓	1000				x									
10	10	687	800	✓	800				x									
11	11	688	600	✓	599				x									
12	12	689	400	✓	400				x									
13	13	690	300	✓	300				x									
14	14	691	250	✓	251				x									
15	15	692	200	✓	200				x									
16	16	693	175	✓	176				x									
17	17	694	150	✓	150				x									
18	18	695	125	✓	125				x									
19	19	696	100	✓	100				x									
20	20	697	75	✓	75				x									
21	21	698	50	✓	50				x									
22	22	699	25	✓	25				x									
23	23	700	10	✓	10				x									
24	24	701	5	✓	4				x									

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

Bottom Depth:	420	m
Transmisso Cleaned:	(Y) / N	

Time	UTC	Local
Start	1019	0219
Bottom	1130	
End	1257	

Positional Information
Start
Lat: 49 ° 59 99 N
Lon: 144 ° 59 96 W

Bottom
Lat: 49 ° 59 99 N
Lon: 144 ° 59 98 W

End
Lat: 49 ° 59 99 N
Lon: 144 ° 59 98 W

Extra comments: - no one doing laundry.
Plastics cast
Note: Took a control sample; left a chemical sieve out while sampling, then washed into a scint. vial after using sprayer.

- Took another control with the spray water only.

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P26 Event #: 87 Ship: Tully UTC Date (dd|mmm|yyyy): 18 | FEB | 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed Pressure	Cs										
1		702	500	✓	500	x									
2		703	500	✓		x									
3		704	500	✓		x									
4		705	500	✓		x									
5		706	500	✓		x									
6		707	500	✓		x									
7		708	400	✓	400	x									
8		709	400	✓		x									
9		710	400	✓		x									
10		711	400	✓		x									
11		712	400	✓		x									
12		713	400	✓		x									
13		714	300	✓	299	x									
14		715	300	✓		x									
15		716	300	✓		x									
16		717	300	✓		x									
17		718	300	✓		x									
18		719	300	✓		x									
19		720	200	✓	200	x									
20		721	200	✓		x									
21		722	200	✓		x									
22		723	200	✓		x									
23		724	200	✓		x									
24		725	200	✓		x									

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

Bottom Depth:	4251	m
Transmisso Cleaned:	(Y) / N	

Time	UTC	Local
Start	1326	0526
Bottom	1334	
End	1347	

Positional Information			
Start	Lat:	49 ° 59 99	N
	Lon:	144 ° 59 99	W

Bottom	Lat:	49 ° 59 99	N
	Lon:	144 ° 59 99	W

End	Lat:	49 ° 59 99	N
	Lon:	144 ° 59 99	W

Extra comments:
Deep Cesium cast

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P26 Event #: 88 Ship: Tully UTC Date (dd|mmm|yyyy): 18 | FEB | 2015

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed √ Pressure			Cr											
1		726	1000					x										
2		727	750					x										
3		728	500					x										
4		729	150					x										
5		730	100					x										
6		731	50					x										
7		732	5					x										
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: In-situ Pump
ROS TRM X-Niskin other?
Watchkeeper(s): MR / M

Bottom Depth: 4250 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1403	0603
Bottom	1444	0644
End	1730	0930

Positional Information

Lat:	45 ° 59 99	N
Lon:	144 ° 59 99	W

Start

Bottom

Lat:	49 ° 59 99	N
Lon:	144 ° 59 99	W

End

Lat:	49 ° 59 99	N
Lon:	144 ° 59 99	W

Extra comments:
UBC in-situ pumps to 1000 m

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P26 Event #: 89 Ship: Tully UTC Date (dd|mmm|yyyy): 18 | Feb | 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Nd	REE									
1		740	1000	✓ 1000	x	x									4.2
2		741	1000	✓ ↓	x	x									4.0 <i>rusty looking on 400</i>
3		742	800	✓ 800	x	x									4.2
4		743	800	✓ ↓	x	x									4.1
5		744	600	✓ 600	x	x									4.5
6		745	600	✓ ↓	x	x									4.5
7		746	400	✓ 400	x	x									4.7
8		747	400	✓ ↓	x	x									4.7
9		748	200	✓ 200	x	x									4.9
10		749	200	✓ ↓	x	x									4.9
11		750	50	✓ 51	x	x									7.7
12		751	50	✓ ↓	x	x									7.8
13		752	5	✓ 5	x	x									7.9
14		753	5	✓ ↓	x	x									7.9
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

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

Bottom Depth:	4251	m
Transmisso Cleaned:	☒ Y ☐ N	

Time	UTC	Local
Start	18:15	10:15
Bottom	18:37	
End	18:54	

Positional Information				
Lat:	49	°	59	99 N
Lon:	145	°	0	02 W

▼				
Lat:	49	°	59	98 N
Lon:	145	°	0	01 W

▼				
Lat:	49	°	59	99 N
Lon:	144	°	59	99 W

Extra comments:
Maureen's cast for Nd and REE

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P26 Event #: 98 Ship: Tully UTC Date (dd|mmm|yyyy): 18 | 02 | 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ☒ Pressure	TM	TM											
1		733	40	☒	x x	x x											
2		734	20	☒	x	x											
3		735	10	☒	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 TRM X-Niskin ☒ other?
 Watchkeeper(s): K.S.

Bottom Depth: 4250 m
 Transmisso Cleaned: Y / N

Time	UTC	Local
Start	19:05	11:08
Bottom		11:25
End	19:56	11:56

Positional Information

Start	Lat: 49 ° 59.99 N
	Lon: 145 ° 00.00 W

Bottom

Lat: 49 ° 59.99 N
Lon: 145 ° 00.00 W

End

Lat: 49 ° 59.99 N
Lon: 145 ° 00.00 W

Extra comments:
 TM pumping

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01

Station: P26

Event #: 91

Ship: Tully

UTC Date (dd|mmm|yyyy): 18 | 2 | 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials								Comments					
			Target Pressure	Confirmed ✓ Pressure	DMS	DMSP	DMSP	Nut-F		Chl	HPLC	Phyto						
1		754	300	✓ 300	x			x										
2		755	200	✓ 200	x	x	x	x x										
3		756	175	✓ 175	x	x	x	x										
4		757	100	✓ 102	x	x	x	x		x								
5		758	75	✓ 75	x			x		x								
6		759	50	✓ 50	x			x		x x	x x							
7		760	40	✓ 40	x			x		x								
8		761	30	✓ 31	x			x		x								
9		762	25	✓ 25	x			x		x								
10		763	20	✓ 20	x x	x x	x x	x		x x	x x							
11		764	15	✓ 14	x			x		x								
12		765	10	✓ 10	x			x		x								
13		766	5	✓ 5	x	x	x	x		x x	x x	x x x						
14		767	0	✓ 2	x	x	x	x		x								
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 425.2 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2150	1350
Bottom	2155	
End	2213	

Positional Information

Start	Lat: 50 ° 0.01	N
	Lon: 144 ° 59.98	W

Bottom

Lat: 50 ° 0.00	N
Lon: 144 ° 59.98	W

End

Lat: 49 ° 59.99	N
Lon: 144 ° 59.99	W

Extra comments:
DMS cast

Cruise ID: 2015-01 Station: P26 Event #: 92 Ship: Tully UTC Date (dd|mmm|yyyy): 18|02|2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ☒ Pressure	TM	TM									
					filt	un-filt									
1		839	40	40											
2		839	UBC	25L	XXX										
3		839	UBC	10L	XXX										
4		839	UBC	250ml	XX										
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? ☒ Pump

Watchkeeper(s): KS

Bottom Depth: 4250 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	19:56	11:56
Bottom		
End	21:08	13:08

Positional Information

Start Lat: 49 ° 59.99 N

Start Lon: 145 ° 00.00 W

Bottom Lat: ° N

Bottom Lon: ° W

End Lat: 49 ° 59.99 N

End Lon: 145 ° 00.01 W

Extra comments:

TM pumping for UBC

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01

Station: P26

Event #: 03

Ship: Tully

UTC Date (dd|mmm|yyyy): 18|2|2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										D.Y.				Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	DIC	Alk	pH	Nut	Sam	Gases					
				✓		DY	LH	CD	CM	MR	PN	KS	AL	GC	250	Sam	LF/SK		
1	1	768	Bot-10	✓	4316	x		xx	x	x	x	x			x	xx			
2	2	769	4000	✓	3999	xx	xx	xx	x	x	x	x		x	x	xx			
3	3	770	3500	✓	3500	x	x	xx	x	xx	x	x		x		xx			
4	4	771	3000	✓	3001	x	x	xx	x	x	x	x		x	x	xx			
5	5	772	2500	✓	2501	x	x	xx	x	x	x	xxx		x		xx			
6	6	773	2000	✓	2001	x	xx	xx	x	x	x	x		x	x	xx			
7	7	774	1500	✓	1500	x	x	xx	x	x	x	x		x	x	xx			
8	8	775	1250	✓	1250	xx	x	xx	x	x	x	x		x	x	xx			
9	9	776	1000	✓	1000	x	x	xx	x	x	x	x		x	x	xx			
10	10	777	800	✓	801	x		xxxx	xx	x	x	x			x	xx			
11	11	778	600	✓	601	x		xx	x	x	x	x			x	xx			
12	12	779	400	✓	400	x		xx	x	x	x	x			x	xx			
13	13	780	300	✓	300	x		xx		x	x	x			x	xx			
14	14	781	250	✓	251	xx		xx		x	x	x							
15	15	782	200	✓	200	x		xx		x	x	x			x	xx			
16	16	783	175	✓	175	x		xxxx		x	x	x							
17	17	784	150	✓	150	x		xx		x	x	x			x	xx			
18	18	785	125	✓	125	xx		xx		x	x	x							
19	19	786	100	✓	100	x		xx		x	x	x			x	xx			
20	20	787	75	✓	76	x		xx		x	x	xxx							
21	21	788	50	✓	57	x		xx		x	x	x			x	xx			
22	22	789	25	✓	25	x		xx		x	x	x			x	xx			
23	23	790	10	✓	10	x		xx		x	x	x			x	xx			
24	24	791	5	✓	5	x	x	xx		x	x	x							

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

Bottom Depth:	4252 m
Transmisso Cleaned:	☒ Y ☐ N

Time	UTC	Local
Start	2248	1448
Bottom	0004	
End	0136	

Positional Information
Start
Lat: 49 ° 59.99 N
Lon: 144 ° 59.99 W

Bottom
Lat: 49 ° 59.99 N
Lon: 145 ° 0.00 W

End
Lat: 49 ° 59.99 N
Lon: 145 ° 0.00 W

Extra comments:
Deep cast

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P26 Event #: 94 Ship: Tully UTC Date (dd|mmm|yyyy): 19 | 02 | 2015

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed √ Pressure			Cr											
1		792	3500					x										
2		793	3000					x										
3		794	2750					x										
4		795	2500					x										
5		796	2000					x										
6		797	1750					x										
7		798	1500					x										
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 4252 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0145	
Bottom	0307	
End	0644	

Positional Information
Start
Lat: 49 ° 59.99 N
Lon: 145 ° 00.00 W

Bottom
Lat: ° N
Lon: ° W

End
Lat: ° N
Lon: ° W

Extra comments:
UBC in-situ pumps to 3500 m

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P26 Event #: 95 Ship: Tully UTC Date (dd|mmm|yyyy): 19|2|2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments	
			Target Pressure	Confirmed ✓ Pressure			Sam											
1		799	2000	✓	2000			x										
2		800	2000	✓				x										
3		801	2000	✓				x										
4		802	2000	✓				x										
5		803	1000	✓	1000			x										
6		804	1000	✓				x										
7		805	1000	✓				x										
8		806	1000	✓				x										
9		807	500	✓	500			x										
10		808	500	✓				x										
11		809	500	✓				x										
12		810	500	✓				x										
13		811	10	✓	10			x										
14		812	10	✓				x										
15		813	10	✓				x										
16		814	10	✓				x										
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s): DY

Bottom Depth: 4252 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0654	2254
Bottom	0727	
End	0803	

Positional Information

Start Lat: 49° 59.99 N

Start Lon: 145° 0.00 W

Bottom Lat: 49° 59.99 N

Bottom Lon: 145° 0.00 W

End Lat: 49° 59.99 N

End Lon: 144° 59.99 W

Extra comments:

Sam's cast

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P26 Event #: 98 Ship: Tully UTC Date (dd|mmm|yyyy): 19 Feb 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Céline		Cr Iso	Cr Sp							
1	1	815	Bot-10	✓ 415	x		x	x							
2	2	816	4000	✓ 4000	x		x	x							
3	3	817	3500	✓ 3500	x		x	x							
4	4	818	3000	✓ 3000	x		x	x							
5	5	819	2500	✓ 2500	x		x	x							
6	6	820	2000	✓ 2000	x		x	x							
7	7	821	1500	✓ 1500	x		x	x							
8	8	822	1250	✓ 1250	x		x	x							
9	9	823	1000	✓ 1000	x		x	x							
10	10	824	800	✓ 800	x		x	x							
11	11	825	600	✓ 600	x		x	x							
12	12	826	400	✓ 400	x		x	x							
13	13	827	300	✓ 300	x		x	x							
14	14	828	250	✓ 250	x		x	x							
15	15	829	200	✓ 200	x		x	x							
16	16	830	175	✓ 175	x		x	x							
17	17	831	150	✓ 150	x		x	x							
18	18	832	125	✓ 125	x		x	x							
19	19	833	100	✓ 100	x		x	x							
20	20	834	75	✓ 75	x		x	x							
21	21	835	50	✓ 50	x		x	x							
22	22	836	25	✓ 25	x		x	x							
23	23	837	10	✓ 10	x		x	x							
24	24	838	5	✓ 5	x		x	x							

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

Watchkeeper(s): MB

Bottom Depth: 4252 m

Transmissio Cleaned: (Y) / N

Time	UTC	Local
Start	1025	0225
Bottom	1136	
End	1306	

Positional Information

Start Lat: 49 ° 59 99 N

Lon: 144 ° 59 99 W

Bottom Lat: 49 ° 59 99 N

Lon: 144 ° 59 99 W

End Lat: 49 ° 59 99 N

Lon: 144 ° 59 99 W

Extra comments:

Céline & Kohen's cast with cups