

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P26 Event #: 99 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	TM	TM	Sal	Nut-Fr									
					filt	un-filt											
1		736	150		x x	x x	x	x									
2		737	125		x	x											
3		738	75		x	x											
4		739	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): RS MB

Bottom Depth: 4250 m
Transmisso Cleaned: Y-N

Time	UTC	Local
Start	13:18	05:20
Bottom	13:48	05:50
End	13:57	05:57

49 59 .98
Positional Information

Start	Lat: 49 ° 59.99 N
	Lon: 125 ° 00.00 W
	144 ▼ 59.98
Bottom	Lat: 49 ° 59.99 N
	Lon: 125 ° 00.00 W
	▼
End	Lat: 49 ° 59.98 N
	Lon: 124 ° 59.99 W

Extra comments:
TM Shallow Go-flos

Cruise ID: 2015-01 Station: P20 P26 Event #: 100 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	TM	TM	Sal	Nut-Fr										
					filt	un-filt												
1		840	800	✓	x	x	x	x										
2		841	600	✓	x	x												
3		842	400	✓	x	x												
4		843	200	✓	x x	x x												
5																		
6																		
7																		
8																		
9																		
10																		
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16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 4250 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	14:30	6:30
Bottom	14:50	6:50
End	15:20	7:20

Positional Information

Start	Lat: 49 ° 59 98 N
	Lon: 144 ° 59 25 W
Bottom	Lat: 49 ° 59 98 N
	Lon: 144 ° 59 98 W
End	Lat: 49 ° 59 98 N
	Lon: 144 ° 59 58 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: P26 Event #: 101 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		Cs											
1		844	150	✓	150		x										
2		845	150	✓			x										
3		846	150	✓			x										
4		847	150	✓			x										
5		848	150	✓			x										
6		849	150	✓			x										
7		850	100	✓	100		x										
8		851	100	✓			x										
9		852	100	✓			x										
10		853	100	✓			x										
11		854	100	✓			x										
12		855	100	✓			x										
13		856	50	✓	50		x										
14		857	50	✓			x										
15		858	50	✓			x										
16		859	50	✓			x										
17		860	50	✓			x										
18		861	50	✓			x										
19		862	05	✓	5		x										
20		863	05	✓			x										
21		864	05	✓			x										
22		865	05	✓			x										
23		866	05	✓			x										
24		867	05	✓			x										

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

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

Time	UTC	Local
Start	1533	0733
Bottom	1536	
End	1544	

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:
Shallow Cesium cast

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P5 Event #: 115 Ship: Tully UTC Date (dd|mmm|yyyy): 22 | Feb | 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials								Comments					
			Target Pressure	Confirmed Pressure	Nut-F	Sal	Chl	HPLC										
1	1	868	30	✓ 30	x		x x	x x										
2	2	869	5	✓ 5	x	x	x x	x x										
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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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:	2079	m
Transmissio Cleaned:	Y	N

Time	UTC	Local
Start	1538	0738
Bottom	1611	
End	1645	

Positional Information
Start
Lat: 48 ° 41 51 N
Lon: 127 ° 9 77 W

Bottom
Lat: 48 ° 41 51 N
Lon: 127 ° 9 58 W

End
Lat: 48 ° 41 44 N
Lon: 127 ° 9 61 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2014-19 Station: P4 Event #: 118 Ship: Tully UTC Date (dd|mmm|yyyy): 22 | Feb | 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed Pressure	Cs										
1		219	500	✓ 500	x										
2		220	500	✓	x										
3		221	500	✓	x										
4		222	500	✓	x										
5		223	500	✓	x										
6		224	500	✓	x										
7		225	400	✓ 400	x										
8		226	400	✓	x										
9		227	400	✓	x										
10		228	400	✓	x										
11		229	400	✓	x										
12		230	400	✓	x										
13		231	300	✓ 300	x										
14		232	300	✓	x										
15		233	300	✓	x										
16		234	300	✓	x										
17		235	300	✓	x										
18		236	300	✓	x										
19		237	200	✓ 200	x										
20		238	200	✓	x										
21		239	200	✓	x										
22		240	200	✓	x										
23		241	200	✓	x										
24		242	200	✓	x										

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

Bottom Depth:	1308	m
Transmisso Cleaned:	Y/N	N

Time	UTC	Local
Start	19:17	11:17
Bottom	19:25	
End	19:37	

Positional Information
Lat: 48 ° 39 02 N
Lon: 126 ° 40 02 W

Start
Lat: 48 ° 39 02 N
Lon: 126 ° 40 01 W

Bottom
Lat: 48 ° 38 59 N
Lon: 126 ° 39 59 W

End
Extra comments:
Deep Cesium cast
PAR on

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P4 Event #: 119 Ship: Tully UTC Date (dd|mmm|yyyy): 22 | 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		263	300	✓ 300	x			x										Vent loose (slightly)
2		264	200	✓ 200	x	x	x	x										
3		265	175	✓ 175	x	x	x	x										
4		266	100	✓ 100	x	x	x	x		x								
5		267	75	✓ 74	x			x		x								
6		268	50	✓ 50	x			x		x								
7		269	40	✓ 40	x			x		x								
8		270	30	✓ 29	x			x		x								
9		271	25	✓ 25	x			x		x								
10		272	20	✓ 19	xx	xx	xx	x		xx								
11		273	15	✓ 15	x			x		x								
12		274	10	✓ 10	x			xx		x								
13		275	5	✓ 5	x	x	x	x		x								
14		276	0	✓ 1	x	x	x	x		x								
15		277	30	✓ 29						xx	xx							
16		278	15	✓ 15						xx	xx							
17		279	5	✓ 5						xx	xx	xxx						
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth:
Transmisso Cleaned:

Time	UTC	Local
Start	2009	1209
Bottom	2015	
End	2033	

Positional Information
Lat: 48° 38.99 N
Lon: 126° 39.99 W

Bottom
Lat: 48° 38.99 N
Lon: 126° 39.99 W

End
Lat: 48° 38.99 N
Lon: 126° 39.99 W

Extra comments:
DMS cast - OUT-OF-ORDER
1-8; 15; 9-11; 16; 12-13; 17; 14

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P4 Event #: 120 Ship: Tully UTC Date (dd|mmm|yyyy): 22 | 02 | 15

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	TM	TM	Sal	Nut-Fr									
1		871	175	✓	x	x	x	x									
2		872	125	✓	x	x											
3		873	75	✓	xx	xx											
4		874	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 ☒ Niskin other?
Watchkeeper(s): K.S

Bottom Depth: 1315 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2115	1:15
Bottom	2129	1:29
End	2140	1:40

Positional Information

Start	Lat:	°	N
	Lon:	°	W

▼

Bottom	Lat:	48 ° 38.99	N
	Lon:	126 ° 39.96	W

▼

End	Lat:	48 ° 38.99	N
	Lon:	126 ° 40.50	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: P4 Event #: 121 Ship: Tully UTC Date (dd|mmm|yyyy): 22 | 2 | 2015

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed ✓ Pressure	Oxy	Nut-F	Nut-C	Sal	DIC	pH	Sam	gases		Celine				
1		243	Bot-10	✓ 1321	x	x	x		x	x	x	x						
2		244	1250	✓ 1250	x	x	x	x	xx	x	x	x						
3		245	1250	✓ 1250	xx	x	x	xx	x	x								
4		246	1000	✓ 1000	x	x	x	xx	x	x	x	x		x				
5		247	800	✓ 800	x	x	x	x	x	x	x	x						
6		248	600	✓ 600	x	xx	xx		x	xxx	x	x		x				
7		249	400	✓ 400	x	x	x		x	x	x	x						
8		250	300	✓ 300	x	x			x	x	x	x						
9		251	250	✓ 250	x	x			x	x								
10		252	200	✓ 200	x	x			x	x	x	x						
11		253	175	✓ 175	x	x			x	x								
12		254	150	✓ 150	x	x			x	x	x	x						
13		255	125	✓ 125	x	xx			x	x			1					
14		256	100	✓ 100	x	x			x	x	x	x		x				
15		257	75	✓ 75	xx	x			x	x								
16		258	50	✓ 49	x	x			x	x	x	x						
17		259	25	✓ 24	x	x			x	xxx	x	x						
18		260	10	✓ 10	x	x			x	x	x	x		x				
19		261	5	✓ 5	x	x		x	x	x								
20		262	1250	✓ 1250										x				
21		870	1000	✓ 1000								x						
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): DY

Bottom Depth: 1315 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	2149	1349
Bottom	2212	
End	2249	

Positional Information

Start

Lat: 48 ° 38.99 N

Lon: 126 ° 39.99 W

Bottom

Lat: 48 ° 38.99 N

Lon: 126 ° 39.99 W

End

Lat: 48 ° 39.01 N

Lon: 126 ° 40.02 W

Extra comments:

Deep cast - OUT-OF-ORDER

1 - 3; 20 - 21; 4 - 19

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01

Station: P4

Event #: 122

Ship: Tully

UTC Date (dd|mmm|yyyy): 22 | 02 | 15

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials								Comments				
			Target Pressure	Confirmed ✓ Pressure	TM filt	TM un-filt	Sal	Nut-Fr									
1		875	800		x	x	x	x					800m Did not fire				
2		876	600		x	x											
3		877	400		xx	xx											
4		878	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			

Bottom Depth:	1315	m	
Transmisso Cleaned:	Y	/	N

Time	23:00 UTC	15:00 Local
Start	22:50	14:50
Bottom		0
End	13:54	15:54

Positional Information	
Start	Lat: 48 ° 38.95 N
	Lon: 126 ° 38.85 W
	▼ ?

Bottom	Lat: ° N
	Lon: ° W
	▼

End	Lat: 48 ° 38.95 N
	Lon: 126 ° 38.49 W

Extra comments:
TM Deep Go-flos
800m did not close

Water Properties Group

Sampling Log

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

Cruise ID: 2015-01 Station: P3 Event #: 123 Ship: Tully UTC Date (dd|mmm|yyyy): 23 | 02 | 2015

			Rosette Operation		Samples Taken / Sampler's Initials												Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure			Nd											
				√														
1		879	750					x										
2		880	625					x										
3		881	425					x										
4		882	300					x										
5		883	100					x										
6		884	50					x										
7		885	5					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: 808 m
 Transmisso Cleaned: Y / N

Time	UTC	Local
Start	<u>01:30</u>	<u>17:30</u>
Bottom	<u>02:00</u>	
End	<u>05:00</u>	

Positional Information

Lat: <u>48</u> ° <u>37.51</u>	N
Lon: <u>126</u> ° <u>20.01</u>	W

▼

Lat: <u>48</u> ° <u>37.51</u>	N
Lon: <u>126</u> ° <u>20.01</u>	W

▼

Lat: °	N
Lon: °	W

Extra comments:
UBC in-situ pumps to 750 m