

Water Properties Group

Sampling Log

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

Cruise ID: 2018-35 Station: GEO1 Event #: 1-4 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 27 | APR | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		1	b-10		xx										
2		2	0			x	xx								
3	4 →	4	25-10						x						
4	3 →	3	5-10 5m							x					2-5L Niskins mixed, 1@5m, 1@10m ↗
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

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

Bottom Depth: 400 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	<u>1</u>	<u>1605</u>
Bottom		<u>1612</u>
End		<u>1621</u>

Positional Information

Lat:	<u>49 ° 15 059</u>	N
Lon:	<u>123 ° 45 419</u>	W

Start

▼

Lat:	<u>49 ° 15 121</u>	N
Lon:	<u>123 ° 45 390</u>	W

Bottom

▼

Lat:	<u>49 ° 15 169</u>	N
Lon:	<u>123 ° 45 367</u>	W

End

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-35 Station: 39 Event #: 8-9 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 28 | APR | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments		
			Target Pressure	Confirmed ☒ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA							
1		5	0	☒			x	xx									
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
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14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth:	388 m
Transmissio Cleaned:	(Y) / N

Time	UTC	Local
Start		1223
Bottom		1230
End		1236

Positional Information
Lat: 49 ° 09 810 N
Lon: 123 ° 33 008 W

Start

Lat: 49 ° 09 824 N
Lon: 123 ° 33 012 W

Bottom

Lat: 49 ° 09 859 N
Lon: 123 ° 33 045 W

End

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-35 Station: 38 Event #: 10-11 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 28 | Apr | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments		
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA							
1		6	b-10		xx												
2		7	85						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:	300 m
Transmisso Cleaned:	Y / N

Time	CTD	UTC	Local
Start			1316
Bottom			1322
End			1328

Positional Information
Start
Lat: 49° 12 055 N
Lon: 123° 26 063 W

Bottom
Lat: 49° 12 106 N
Lon: 123° 26 448 W

End
Lat: 49° 12 187 N
Lon: 123° 26 455 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-35 Station: 27 Event #: 13-14 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 28 | APR | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments	
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA						
1		8	0			xx	xx	x								
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:

ROS

TRM

X-Niskin

other?

Watchkeeper(s): MB

Bottom Depth: 347 m

Transmisso Cleaned: Y / N

Time

CTD

UTC

Local

Start

1

1540

Bottom

1546

End

1551

CTD

Positional Information

Start

Lat: 49 ° 19 128 N

Lon: 123 ° 48 020 W

Bottom

Lat: 49 ° 19 182 N

Lon: 123 ° 48 060 W

End

Lat: 49 ° 19 227 N

Lon: 123 ° 48 081 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-35 Station: 28 Event #: 15-17 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 28 | APR | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ☒ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		9	0			x	xx								
2		10	0.5						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: 134 m

Transmisso Cleaned: Y / N

Time CTD UTC Local

Start

1631

Bottom

1633

End

1635

CTD

Positional Information

Start

Lat: 49° 24' 11.8" N

Lon: 123° 45' 34.0" W

Bottom

Lat: 49° 24' 12.3" N

Lon: 123° 45' 35.0" W

End

Lat: 49° 24' 12.4" N

Lon: 123° 45' 36.4" W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-35 Station: 24 Event #: 19-20 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 28 | APR | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments		
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA							
1		11	b-10			xx											
2		12	25						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:	(BUT) other?
ROS TRM X-Niskin	
Watchkeeper(s):	MB

Bottom Depth:	425 m
Transmisso Cleaned:	Y / N

Time	UTC	Local
Start		1831
Bottom		1839
End		1845

Positional Information
Start
Lat: 49 ° 30 314 N
Lon: 124 ° 6 002 W

Bottom
Lat: 49 ° 30 334 N
Lon: 124 ° 5 944 W

End
Lat: 49 ° 30 358 N
Lon: 124 ° 5 974 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-35

Station: 22

Event #: 24-28

Ship: Neocaligus

UTC Date (dd|mmm|yyyy): 29 | APR | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ☒ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		13	b-10		xx										
2		14	0			x	xx	x							
3		15	25						x						
4		16	5-10							x					2-5L Niskins mixed, 1@5m, 1@10m
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:	383	m
Transmisso Cleaned:	Y	I N

Time	UTC	Local
Start		0839
Bottom		0845
End		0853

Positional Information
Start
Lat: 49 ° 40 248 N
Lon: 124 ° 16 296 W

Bottom
Lat: 49 ° 40 261 N
Lon: 124 ° 16 248 W

End
Lat: 49 ° 40 252 N
Lon: 124 ° 16 157 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-35 Station: 12 Event #: 30-31 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 29 | APR | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		17	0			xx	xx	x							
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
ROS TRM X-Niskin *Bot* other?

Watchkeeper(s): *MB*

Bottom Depth: *357* m

Transmisso Cleaned: Y / N

Time

UTC *CTD* Local

Start

1219

Bottom

1225

End

1231

CTD

Positional Information

Start

Lat: 49 ° 43 582 N

Lon: 124 ° 40 942 W

Bottom

Lat: 49 ° 43 574 N

Lon: 124 ° 40 967 W

End

Lat: 49 ° 43 569 N

Lon: 124 ° 40 959 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-35 Station: 11 Event #: 32-34 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 29 | APR | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments		
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA							
1		19	0-5						x								
2		18	5-10							x						2-5L Niskins mixed, 1@5m, 1@10m	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth:	300 m
Transmisso Cleaned:	Y / N

Time	UTC	CTD Local
Start		1251
Bottom		1256
End		1300

Positional Information	CTD
Lat:	49 ° 42 406 N
Lon:	124 ° 43 396 W

Start	Lat:	49 ° 42 426 N
Bottom	Lon:	124 ° 43 398 W

End	Lat:	49 ° 42 440 N
	Lon:	124 ° 43 391 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-35 Station: 9 Event #: 30-37 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 25 | Apr | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		20	0			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 TRM X-Niskin other? Bot

Watchkeeper(s): MR

Bottom Depth: 170 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		1420
Bottom		1423
End		1425

Positional Information

Start

Lat: 49 ° 35 493 N

Lon: 124 ° 38 269 W

Bottom

Lat: 49 ° 35 493 N

Lon: 124 ° 38 256 W

End

Lat: 49 ° 35 487 N

Lon: 124 ° 38 246 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-35 Station: BS-11 Event #: 38-40 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 29 | Apr | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ☒ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		21	0			x	xx	x							
2		22	25						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): MR

Bottom Depth: 58 m
Transmisso Cleaned: Y / N

Time CTD UTC Local
Start 1603
Bottom 1604
End 1605

Positional Information CTD
Start Lat: 49 ° 29 002 N
Lon: 124 ° 46 008 W

Bottom Lat: 49 ° 29 006 N
Lon: 124 ° 46 016 W

End Lat: 49 ° 29 006 N
Lon: 124 ° 46 019 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-35 Station: 6 Event #: 4243 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 30 | Apr | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ☒ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		23	0			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 TRM X-Niskin other?

Watchkeeper(s): MS

Bottom Depth: 1914 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 0740

Bottom 0743

End 0746

Positional Information

Start Lat: 49 ° 30 597 N

Start Lon: 124 ° 27 815 W

Bottom Lat: 49 ° 30 585 N

Bottom Lon: 124 ° 27 803 W

End Lat: 49 ° 30 550 N

End Lon: 124 ° 27 753 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-35 Station: CPF2 Event #: 44-46 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 30 | APR | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments		
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA							
1		24	b-10			xx											
2		26	25						x								
3		25	5-10							x						2-5L Niskins mixed, 1@5m, 1@10m	
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 ^{Bot} other?
Watchkeeper(s): MB

Bottom Depth:	325	m
Transmisso Cleaned:	Y	/ N

Time	-UTC	CTD Local
Start		0813
Bottom		0819
End		0826

Positional Information	CTD
Lat:	49 ° 28' 99.5 N
Lon:	124 ° 29' 99.2 W

Start

Lat:	49 ° 27' 96.7 N
Lon:	124 ° 29' 93.1 W

Bottom

Lat:	49 ° 27' 91.8 N
Lon:	124 ° 29' 86.2 W

End

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-35 Station: 3 Event #: 48-49 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 30 | APR | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		27	0			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: BT

ROS TRM X-Niskin other?

Watchkeeper(s): MB

Bottom Depth: 327 m

Transmisso Cleaned: Y / N

CTD

Time	UTC	Local
Start		0943
Bottom		0948
End		0954

CTD

Positional Information

Start

Lat: 49 ° 26 590 N

Lon: 124 ° 20 193 W

Bottom

Lat: 49 ° 26 566 N

Lon: 124 ° 20 110 W

End

Lat: 49 ° 26 540 N

Lon: 124 ° 20 035 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-35 Station: 2 Event #: 50+51 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 30 | APR | 2018

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		28	0			xx	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 TRM X-Niskin Bot other?

Watchkeeper(s): MR

Bottom Depth: 277 m

Transmisso Cleaned: Y / N

CTD

Time	UTC	Local
Start		1048
Bottom		1053
End		1058

CTD

Positional Information

Start

Lat: 49 ° 24 086 N

Lon: 124 ° 9 257 W

Bottom

Lat: 49 ° 24 058 N

Lon: 124 ° 9 237 W

End

Lat: 49 ° 24 014 N

Lon: 124 ° 9 182 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-35 Station: CPF1 Event #: 52-54 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 30 | APR | 2018

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials										Comments	
			Target Pressure	Confirmed ✓	Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA						
1		29	05						x								
2		30	5-10							x						2-5L Niskins mixed, 1@5m, 1@10m	
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): MS

Bottom Depth: 244 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 1124

Bottom 1128

End 1132

Positional Information

Start Lat: 49 ° 21 965 N

Start Lon: 124 ° 4 961 W

Bottom Lat: 49 ° 21 930 N

Bottom Lon: 124 ° 5 4 963 W

End Lat: 49 ° 21 920 N

End Lon: 124 ° 4 964 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-35 Station: 41 Event #: 57-59 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 30 | APR | 2018

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed		Sal	Chl	HPLC	Phyto	POM-SI	POM-FA								
				✓	Pressure														
1		31	b-10			xx													
2		32	0-5						x										
3		33	5-10							x						2-5L Niskins mixed, 1@5m, 1@10m			
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: 245 m

Transmisso Cleaned: Y / N

Time UTC Local

Start

1608

Bottom

1613

End

1618

Positional Information

Start

Lat: 49 ° 3 315 N

Lon: 123 ° 22 393 W

Bottom

Lat: 49 ° 3 337 N

Lon: 123 ° 22 482 W

End

Lat: 49 ° 3 371 N

Lon: 123 ° 22 1003 W

Extra comments: