

Water Properties Group

Sampling Log

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

Cruise ID: 2018-36 Station: 38 Event #: 1-2 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 26 | MAY | 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	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: BOT

ROS TRM X-Niskin other?

Watchkeeper(s): MB

Bottom Depth: 300 m

Transmisso Cleaned: Y / N

Time

Start 15:35

Bottom 15:43

End 15:50

Positional Information

Lat: 49 ° 12 . 027 N

Lon: 123 ° 26 . 393 W

Bottom

Lat: 49 ° 12 . 085 N

Lon: 123 ° 26 . 390 W

End

Lat: 49 ° 12 . 142 N

Lon: 123 ° 26 . 369 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-36 Station: 39 Event #: 4-5 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 26 | May | 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		3	0			x	xx								
2															
3															
4															
5															
6															
7															
8															
9															
10															
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16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type: Bot

ROS TRM X-Niskin other?

Watchkeeper(s): MB

Bottom Depth: 388 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		17:02
Bottom		17:14
End		17:21

Positional Information

Start

Lat: 49 ° 9.890 N

Lon: 123 ° 32.937 W

▼

Bottom

Lat: 49 ° 10.040 N

Lon: 123 ° 32.742 W

▼

End

Lat: 49 ° 10.114 N

Lon: 123 ° 32.694 W

Extra comments:

- stopped @ 58m on way down (CTD) to straighten the wire.

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		4	b-10		xx										
2		5	0			x	xx								
3		6	5					x							
4		7	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: BT
ROS TRM X-Niskin other?

Watchkeeper(s): MB

Bottom Depth: 500 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		8:11
Bottom		8:18
End		8:27

CTD:

Positional Information

Start

Lat: 49 ° 15.072 N

Lon: 123 ° 44.916 W

Bottom

Lat: 49 ° 15.076 N

Lon: 123 ° 44.800 W

End

Lat: 49 ° 15.081 N

Lon: 123 ° 44.682 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-36 Station: 27 Event #: 11-12 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 27 | May | 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															
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15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

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

Watchkeeper(s): MB

Bottom Depth: 345 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		9:52
Bottom		9:58
End		10:04

CTD:

Positional Information

Start

Lat: 49° 19.142 N

Lon: 123° 47.993 W

Bottom

Lat: 49° 19.163 N

Lon: 123° 48.009 W

End

Lat: 49° 19.225 N

Lon: 123° 48.009 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-36 Station: 28 Event #: 13-15 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 27 | May | 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	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 601 other?

Watchkeeper(s): MB

Bottom Depth: 134 m

Transmissometer Cleaned: Fluorometer Y / N

Time	UTC	Local
Start		10:45
Bottom		10:47
End		10:49

CTD:

Positional Information

Start

Lat: 49 ° 24 . 162 N

Lon: 123 ° 45 . 409 W

Bottom

Lat: 49 ° 24 . 195 N

Lon: 123 ° 45 . 456 W

End

Lat: 49 ° 24 . 202 N

Lon: 123 ° 45 . 493 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-36 Station: CPF1 Event #: 17-19 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 27 | May | 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	5						x								
2		12	5-10							x						2-5L Niskins mixed, 1@5m, 1@10m	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
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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		13:12
Bottom		13:17
End		13:21

CTD:

Positional Information

Start

Lat: 49 ° 22.025 N

Lon: 124 ° 5.027 W

Bottom

Lat: 49 ° 22.065 N

Lon: 124 ° 5.072 W

End

Lat: 49 ° 22.118 N

Lon: 124 ° 5.105 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-36 Station: 24 Event #: 21-22 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 27 | May | 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	5						x						
3															
4															
5															
6															
7															
8															
9															
10															
11															
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13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): MB

Bottom Depth: 425 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		14:41
Bottom		14:49
End		14:59

CTD:

Positional Information

Start

Lat: 49° 30.351 N

Lon: 124° 06.028 W

Bottom

Lat: 49° 30.389 N

Lon: 124° 06.076 W

End

Lat: 49° 30.447 N

Lon: 124° 06.117 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-36 Station: 22 Event #: 26 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 28 May 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		15	b-10			xx											
2		16	0				x	xx	x								
3		17	5							x							
4		18	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: Bot
ROS TRM X-Niskin other?
Watchkeeper(s): JW/MB

Bottom Depth: 353 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start		8:23
Bottom		8:29
End		8:37

CTD:
Positional Information
Start
Lat: 49 ° 40.215 N
Lon: 124 ° 16.286 W

Bottom
Lat: 49 ° 40.250 N
Lon: 124 ° 16.296 W

End
Lat: 49 ° 40.310 N
Lon: 124 ° 16.304 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-36 Station: 12 Event #: 32 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 28 May 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				xx	xx	x							
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
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16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: BOT

ROS TRM X-Niskin other?

Watchkeeper(s): MB

Bottom Depth: 355 m

Transmisso Cleaned: Y / N

CTD:

Time	UTC	Local
Start		1157
Bottom		1203
End		1209

Positional Information

Lat: 49 ° 43 . 593 N

Lon: 124 ° 40 . 814 W

Bottom

Lat: 49 ° 43 . 596 N

Lon: 124 ° 40 . 781 W

End

Lat: 49 ° 43 . 573 N

Lon: 124 ° 40 . 701 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-36 Station: 11 Event #: 34 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 28 | May | 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	5						x						
2		21	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: Bot

ROS TRM X-Niskin other?

Watchkeeper(s): MB

Bottom Depth: 290 m

Transmisso Cleaned: Y / N

CTD:

Time	UTC	Local
Start		12:36
Bottom		12:41
End		12:46

Positional Information

Start

Lat: 49 ° 42.368 N

Lon: 124 ° 43.375 W

Bottom

Lat: 49 ° 42.377 N

Lon: 124 ° 43.354 W

End

Lat: 49 ° 42.392 N

Lon: 124 ° 43.346 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-36 Station: 9 Event #: 38-39 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 28 | May | 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										
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? 651

Watchkeeper(s): MB

Bottom Depth: 168 m

Transmissio Cleaned: Y / N

Time

UTC

Local

Start

14:06

Bottom

14:09

End

14:12

Positional Information

Start

Lat: 49 ° 35.500 N

Lon: 124 ° 38.296 W

Bottom

Lat: 49 ° 35.508 N

Lon: 124 ° 38.296 W

End

Lat: 49 ° 35.515 N

Lon: 124 ° 38.297 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-36 Station: BS-11 Event #: 40-42 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 28 | May | 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		22	0				x	xx	x									
2		23	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: BOT
ROS TRM X-Niskin other?
Watchkeeper(s): JW/MB

Bottom Depth: 59 m
Transmisso Cleaned: Y / N

Time UTC Local
Start 15:44
Bottom 15:45
End 15:46

Positional Information
Start Lat: 49 ° 28.990 N
Lon: 124 ° 46.007 W

Bottom Lat: 49 ° 28.994 N
Lon: 124 ° 46.007 W

End Lat: 49 ° 28.995 N
Lon: 124 ° 46.005 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-36 Station: CPF2 Event #: 44-47 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 29 | May | 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		25	5						x						
3		26	5-10							x					2-5L Niskins mixed, 1@5m, 1@10m
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
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16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type: BOT

ROS TRM X-Niskin other?

Watchkeeper(s): MB /JW

Bottom Depth: 329 m

Transmisso Cleaned: Y / N

CTD: 7

Time	UTC	Local
Start		8:24
Bottom		8:30
End		8:37

Positional Information

Start

Lat: 49 ° 27.890 N

Lon: 124 ° 29.970 W

Bottom

Lat: 49 ° 27.810 N

Lon: 124 ° 29.927 W

End

Lat: 49 ° 27.781 N

Lon: 124 ° 29.859 W

Extra comments:

Event 46 (POM-FA @ 5m/10m), the messenger didn't trigger 10m bottle, so redeployed 10m bottle

Water Properties Group

Sampling Log

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

Cruise ID: 2018-36 Station: 6 Event #: 48-49 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 29 | May | 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: BOT

ROS TRM X-Niskin other?

Watchkeeper(s): MB/JW

Bottom Depth: 190 m

Transmisso Cleaned: Y / N

CTD: 2

Time	UTC	Local
Start		9:57
Bottom		10:00
End		10:04

Positional Information

Lat: 49 ° 30.544 N

Lon: 124 ° 27.693 W

▼

Lat: 49 ° 30.517 N

Lon: 124 ° 27.643 W

▼

Lat: 49 ° 30.499 N

Lon: 124 ° 27.600 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-36 Station: 3 Event #: 50-51 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 29 | May | 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				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: Bot

ROS TRM X-Niskin other?

Watchkeeper(s): MB/JW

Bottom Depth: 323 m

Transmisso Cleaned: Y / N

CTD: 7

Time	UTC	Local
Start		10:47
Bottom		10:52
End		10:58

Positional Information

Start

Lat: 49 ° 26.620 N

Lon: 124 ° 20.289 W

Bottom

Lat: 49 ° 26.582 N

Lon: 124 ° 20.338 W

End

Lat: 49 ° 26.537 N

Lon: 124 ° 20.378 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-36 Station: 2 Event #: 52-53 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 29 | May | 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	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: B&T
ROS TRM X-Niskin other?
Watchkeeper(s): MB HW

Bottom Depth: 275 m
Transmisso Cleaned: Y / N

CTD: 2

Time	UTC	Local
Start		12:11
Bottom		12:16
End		12:21

Positional Information
Start
Lat: 49 ° 24.079 N
Lon: 124 ° 09.372 W

Bottom
Lat: 49 ° 24.050 N
Lon: 124 ° 09.384 W

End
Lat: 49 ° 24.032 N
Lon: 124 ° 09.415 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-36 Station: 56 Event #: 54-55 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 30 | May | 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		30	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 other? 1351

Watchkeeper(s): MB / JW

Bottom Depth: 210 m

Transmisso Cleaned: Y / N

CTD: 4

Time	UTC	Local
Start		12:42
Bottom		12:46
End		12:50

Positional Information

Lat: 48 ° 46.392 N

Lon: 123 ° 01.657 W

▼

Lat: 48 ° 46.363 N

Lon: 123 ° 01.711 W

▼

Lat: 48 ° 46.357 N

Lon: 123 ° 01.768 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2018-36 Station: 59 Event #: 56-60 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 30 | May | 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		31	0			x	xx	x							
2		32	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 Bob other?

Watchkeeper(s): MB JW

Bottom Depth: 230 m

Transmisso Cleaned: Y / N

CTD:

Time	UTC	Local
Start		14:28
Bottom		14:32
End		14:36

Positional Information

Start

Lat: 48 ° 36 . 968 N

Lon: 123 ° 14 . 994 W

Bottom

Lat: 48 ° 36 . 983 N

Lon: 123 ° 15 . 005 W

End

Lat: 48 ° 37 . 038 N

Lon: 123 ° 15 . 025 W

Extra comments:

~40° wire angle.