

Water Properties Group

Sampling Log

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

Cruise ID:

2020-047

Station:

GEO1

Event #:

2+3 2

Ship:

Neocaligus

UTC Date (dd|mmm|yyyy):

17 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments/ Event number
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	Nuts						
1		1	b-10		xx				x	did not trip				event 3	* distance (m): 1m
2		2	0			x	xx		x					event 2	1 L HPLC 304 mL chl-a
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):

KY

Bottom Depth:

406 m

Transmisso Cleaned:

Y / N

Time

UTC

Local

Start

21:05

13:05

Bottom

End

Positional Information

Lat:

49 ° 15.004

N

Lon:

123 ° 45.291

W

Start

Bottom

End

Lat:

°

N

Lon:

°

W

Lat:

°

N

Lon:

°

W

Extra comments:

* measure and record distance of niskin from SAL sensor on CTD (in m) - can be attached immediately above CTD before cast starts

Water Properties Group

Sampling Log

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

Cruise ID: 2020-047 Station: 3 Event #: 8 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 18 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	Nuts									
1		3	0				x	xx		xx								1.6L HPLC
2																		.3 L chl a
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): KY

Bottom Depth: 323 m

Transmisso Cleaned: Y / N
fluvio

Time	UTC	Local
Start	15:31	07:31
Bottom		
End		

Positional Information

Lat: 49 ° 26.636 N

Lon: 124 ° 20.209 W

Start

Lat: ° N

Lon: ° W

Bottom

Lat: ° N

Lon: ° W

End

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2020-047 Station: 6 Event #: 710 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 18 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	Nuts									
1		4	0		0		x	xx		x								304mL chla
2																		2L HPLC
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): KY

Bottom Depth: 193 m

Transmisso Cleaned: 1 N
fuoro

Time	UTC	Local
Start	16:31	
Bottom		
End		

Positional Information

Lat: 49 ° 30.574 N

Lon: 124 ° 27.759 W

Start

Bottom

End

Lat: ° N

Lon: ° W

Lat: ° N

Lon: ° W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2020-047 Station: BS-11 Event #: 14 Ship: Neocaligus UTC Date (dd/mmm/yyyy): 18 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments		
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	Nuts								
1		5	0	✓		xx	xx	x	xx								chl a: 304µL
2																	HPLC: 2 L
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): KY

Bottom Depth: 61 m

Transmisso Cleaned: Y / N
Puro.

Time	UTC	Local
Start	18:40	10:40
Bottom		
End		

Positional Information

StartLat: 49 ° 28.989 N
Lon: 124 ° 46.984 W

BottomLat: ° N
Lon: ° W

EndLat: ° N
Lon: ° W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2020-047 Station: 9 Event #: 17 Ship: Neocaligus UTC Date (dd/mmm/yyyy): 18 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure		Sal	Chl	HPLC	Phyto	Nuts								
1		6	0	✓			xx	xx		xx								chl a - 304 ml
2																		HPLC -
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM ☒ Niskin other?

Watchkeeper(s): KY

Bottom Depth: 170 m

Transmisso Cleaned: ☒ N
Fluoro

Time	UTC	Local
Start	20:24	12:24
Bottom		
End		

Positional Information

StartLat: 49 ° 35.500 N
Lon: 124 ° 30.325 W

BottomLat: ° N
Lon: ° W

EndLat: ° N
Lon: ° W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID:

2020-047

Station:

12

Event #:

21

Ship:

Neocaligus

UTC Date (dd|mmm|yyyy):

18

Feb

2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments	
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	Nuts	Euph						
1		7	b-10		xx				x							* distance (m): 1 m
2		8	0			xx	xx	x	x							
3																dropped chl a dup
4																not enough water
5																
6																chl 304 mL
7																HPLC - 2 L
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):

KY

Bottom Depth: 357 m

Transmisso Cleaned: Y / N

Time

UTC

Local

Start

22:07

14:07

Bottom

End

Positional Information

Lat: 49 ° 43.599 N

Lon: 124 ° 40.785 W

Start

Bottom

End

Lat: ° N

Lon: ° W

Lat: ° N

Lon: ° W

Extra comments:

Sample 7 on CTD cast 20

Water Properties Group

Sampling Log

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

Cruise ID: 2020-047 Station: 22 Event #: 25 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 19 | Feb | 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	Nuts	Euph								
1		9	b-10			xx				xX								* distance (m):
2		10	0				x	xx	x	xx X								
3																		moved not dup
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): KY

Bottom Depth: 353 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	01:16	17:16
Bottom		
End		

Positional Information

Lat: 49 ° 40.189 N

Lon: 124 ° 16.311 W

Start

Lat: ° N

Lon: ° W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2020-047 Station: 2 Event #: 32 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 19 | Feb | 2020

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials										Comments		
			Target Pressure	Confirmed ✓	Pressure	Sal	Chl	HPLC	Phyto	Nuts								
1		12	0				xx	xx	x	x								chl a: 304 mL
2																		HPLC: 2L
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
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14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM ☒ Niskin other?

Watchkeeper(s): KY

Bottom Depth: 280 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1837	10:37
Bottom		
End		

Positional Information

Start

Lat: 49 ° 24.098 N

Lon: 124 ° 9.317 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2020-047 Station: 28 Event #: 36 Ship: Neocaligus UTC Date (dd/mmm/yyyy): 19 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓	Pressure	Sal	Chl	HPLC	Phyto	Nuts								
1		13	0				xx			xx								chlq - 304 mL
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
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15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM ☒ Niskin ☐ other?

Watchkeeper(s): KY

Bottom Depth: 136 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	21:07	13:07
Bottom		
End		

Positional Information

Start

Lat: 49° 24.109 N

Lon: 123° 45.316 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2020-047 Station: 27 Event #: 39 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 19 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments		
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	Nuts								
1		14	0			xx	xx	x	x								chl a - 304 mL
2																	HPLC - 2L
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): KY

Bottom Depth: 347 m

Transmisso Cleaned: (Y) / N
fluo

Time	UTC	Local
Start	22:01	14:01
Bottom		
End		

Positional Information

Start

Lat: 49 ° 19.108 N

Lon: 123 ° 47.998 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2020-047 Station: 39 Event #: 43 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 19 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	Nuts						
1		15	b-10		xx				x						* distance (m): 1m
2		16	0			x	xx		x						chl - 304mL
3															HPLC - 2080mL
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 ☒ Niskin other?

Watchkeeper(s): KY

Bottom Depth: 377 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	00:58	16:58
Bottom		
End		

Positional Information

Start

Lat: 49° 9.783 N

Lon: 123° 32.966 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2020-047 Station: 42 Event #: 50 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 20 | Feb | 2020

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓	Pressure	Sal	Chl	HPLC	Phyto	Nuts								
1		17	b-10			xx				xx								* distance (m): 1m
2		18	0				x	xx	x	x								chl a - 304mL
3																		HPLC - 2080mL
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 ☒ Niskin other?

Watchkeeper(s): KY

Bottom Depth: 322 m

Transmisso Cleaned: ☒ N
furo

Time	UTC	Local
Start	18:12	10:12
Bottom		
End		

Positional Information

Start

Lat: 49 ° 1.800 N

Lon: 123 ° 26.194 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

some turbidity/colour from plume?

Water Properties Group

Sampling Log

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

Cruise ID: 2020-047 Station: 46 Event #: 53 Ship: Neocaligus UTC Date (dd/mmm/yyyy): 20 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials						Comments/ Event number						
			Target Pressure	Confirmed √	Pressure	Sal	Chl	HPLC	Phyto	Nuts								
1		19	0				xx	xx		x								chl-a - 304mL
2																		HPLC - 1040mL
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 ☒ Niskin other?
 Watchkeeper(s): KY

Bottom Depth: 180 m
 Transmisso Cleaned: Y / N

Time	UTC	Local
Start	20:14	12:14
Bottom		
End		

Positional Information

Lat:	48 ° 51.394	N
Lon:	123 ° 10.777	W

Start

Bottom

End

Lat: ° N
 Lon: ° W

Lat: ° N
 Lon: ° W

Extra comments:
 Samples mis-labelled
 as #18 → corrected

Water Properties Group

Sampling Log

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

Cruise ID: 2020-047 Station: 56 Event #: 56 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 20 | Feb | 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed ✓	Pressure	Sal	Chl	HPLC	Phyto	Nuts								
1		20	0				xx	xx		x							chl: 304 mL	
2																	HPLC:	
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 ☒ Niskin other?

Watchkeeper(s): AS KY

Bottom Depth: 212 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	21:27	13:27
Bottom		
End		

Positional Information

Start

Lat: 48 ° 46.404 N

Lon: 123 ° 01.616 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2020-047 Station: 59 Event #: 58 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 20 | Feb | 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments	
			Target Pressure	Confirmed ✓ Pressure	Sal	chl	HPLC	Phyto	Nuts	Euph						
1		21	0			x	xx		xx							chl - 304 mL
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 ☒ Niskin other?

Watchkeeper(s): AS/ KY

Bottom Depth: 237 m

Transmisso Cleaned: (Y) N
fluo

Time	UTC	Local
Start	23:11	15:13
Bottom		
End		

Positional Information

Lat: 48 ° 36.940 N

Lon: 123 ° 14.962 W

▼

Lat: ° N

Lon: ° W

▼

Lat: ° N

Lon: ° W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2020-047 Station: SC-04 Event #: 103 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 21 | Feb | 2020

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure		Sal	Chl	HPLC	Phyto	Nuts								
1		22	0				x	xx	x	x								chl a - 304ml
2																		HPLC -
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 ☒ Niskin other?

Watchkeeper(s): AS KY

Bottom Depth: 86 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	16:37	08:37
Bottom		
End		

Positional Information

Start

Lat: 48 ° 43.510 N

Lon: 123 ° 25.872 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments: