

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	HPLC	Nut-F	Sal	CHL									
1		1	Bot-5	✓	393m		xx	xx									event 1 w/ CTD
2		2	0	✓	0	xx	xx	xx	xx								event 2 fluoro = 0.8
3																	after CTD, event 2
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: 406 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	1959	
Bottom	20:08	
End	20:16	

Positional Information

Lat: 49 ° 15.013 N

Lon: 123 ° 45.415 W

▼

Lat: ° N

Lon: ° W

▼

Lat: ° N

Lon: ° W

Extra comments:

No net - winch broke

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-024 Station: SC-04 Event #: 6-7 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 5 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments
			Target Pressure	Confirmed ✓ Pressure	HPLC	Nut-F	Lugol's	CHL							
1		3	0	✓ 0	xx	xx	x	xx							1L HPLC, 304 mL chl a
2															fluor = 1.4
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: 95 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start CTD	20:13	
Bottom Bot	20:19	
End		

Positional Information
Start Lat: 48 ° 43.483 N
Lon: 123 ° 25.028 W

Bottle: ▼
Bottom Lat: 48 ° 43.473 N
Lon: 123 ° 25.012 W

End Lat: ° N
Lon: ° W

Extra comments:
CTD event 6
bottle right after =
event 7

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	HPLC	Nut-F	CHL									
1		4	0	✓	xx	xx	X									HPLC 620mL
2																chl 304 mL
3																fluor = 1.0
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: 220 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	22:41	
Bottom	22:50	
End		

Positional Information

Lat: 48 ° 46.425 N

Lon: 123 ° 1.544 W

bottle

Lat: 48 ° 46.260 N

Lon: 123 ° 1.582 W

Lat: ° N

Lon: ° W

Extra comments:

green water
even ts
GD # = 11
bottle # = 12

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	HPLC	Nut-F	Sal	CHL									
1		5	Bot-5	✓	165 m		x	xx									3m above CTD
2		6	0	✓		xx	xx	x	x								HPLC 620 ml fluoro = 0.9
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: 178 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 23:57

Sample Bottom 5 0:02

End Sample 6 0:06

Positional Information

Start

Lat: 48 ° 51.404 N

Lon: 123 ° 10.846 W

Bottom

Lat: 48 ° 51.356 N

Lon: 123 ° 10.807 W

End

Lat: 48 ° 51.290 N

Lon: 123 ° 10.742 W

Extra comments:

Bot 3m above CTD event 13

green water

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	HPLC	Nut-F	Lugol's	CHL									
1		7	0	✓ 0	xx	xx	x	x									620ml HPLC
2																	fluor: 2.2 2.2
3																	304ml chl
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: 320 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	15:42	8:42
Bottom		
End		

Positional Information

StartLat: 49 ° 1.807 N

StartLon: 123 ° 26.214 W

BottomLat: ° N

BottomLon: ° W

EndLat: ° N

EndLon: ° W

Extra comments:

ctd = event 19

bot = event 20

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID:

2021-024

Station:

39

Event #:

24-25

Ship:

Neocaligus

UTC Date (dd|mmm|yyyy): 06 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core Samples										Comments
			Target Pressure	Confirmed Pressure	HPLC	Nut-F	CHL											
1		8	0	✓	xx	xx	xx											fluor = 2.7
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): KY

Bottom Depth: 375 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	18:22	18:22
Bottom		
End		

Positional Information

Lat:	49 °	9.785	N
Lon:	123 °	32.961	W

Start

Lat:	°	N
Lon:	°	W

Bottom

Lat:	°	N
Lon:	°	W

End

Lat:	°	N
Lon:	°	W

Extra comments:
CTD = event + 24
bottle = event + 25

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	HPLC	Nut-F	Lugol's	Sal	CHL								
1		9	Bot 5	✓ 334 m		xx		x									3 m above CTD
2		10	0	✓	xx	xx	x	xx	x								1040 ml HPLC fluoro = 2.8
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

Time	UTC	Local
Start	20:47	13:47
Bottom	20:56	
End	21:05	

Positional Information

Lat: 49 ° 19.106 N

Lon: 123 ° 47.947 W

Start

Bottle 1:

Lat: 49 ° 19.157 N

Lon: 123 ° 47.997 W

Bottom

Bottle 2:

Lat: 49 ° 19.243 N

Lon: 123 ° 48.097 W

End

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples								Comments
			Target Pressure	Confirmed Pressure	HPLC	Nut-F	Lugol's	Sal	CHL									
1		11	Bot 5-	✓	341		xx		xx									
2		12	0	✓		xx	x	x	x	x								620 mL HPLC fluoro = 2.5
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: 354 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	15:23	
Bottom	15:31	
End		

Positional Information

Start

Lat: 49 ° 40.206 N

Lon: 124 ° 16.287 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

CTD = # 36
+ sample 11
sample 12 = # 37

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-024 Station: 12 Event #: 40-41 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 7 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments
			Target Pressure	Confirmed ✓ Pressure	HPLC	Nut-F	Lugol's	Sal	CHL						
1		13	Bot-5			x		x							no deep bottle here 1 L HPLC fluor = 0.9
2		13	0	✓	xx	xx	x	x	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): KY

Bottom Depth: 352 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start 40:	18:49	
Bottom 41:		
End		

Positional Information

Start 40	Lat: 49 ° 43.643 N
	Lon: 124 ° 40.829 W
Bottom 41	▼
	Lat: ° N
	Lon: ° W
End	▼
	Lat: ° N
	Lon: ° W

Extra comments:
cfd event = 40
bottle = 41
- subsurface chl a max

Cruise ID: 2021-024

Station: 9

Event #: 45-46

Ship: Neocaligus

UTC Date (dd|mmm yyyy): 7 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	HPLC	Nut-F	CHL									
1		14	0		xx	xx	x									fluor = 1.2
2																1L 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): KY

Bottom Depth: 169 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	20:53	
Bottom		
End		

Positional Information

Start

Lat: 49 ° 35. 503 N

Lon: 124 ° 38. 306 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

CTD # = 45

bottle # = 46

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ☒ Pressure	HPLC	Nut-F	Lugol's	CHL									
1		15	0	☒		xx	xx	x	x								flwr = 3.4
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): KY

Bottom Depth: 61 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start 47:	22:26	
Bottom 48:	22:30	
End		

47 Positional Information

Lat: 49° 29.001 N

Lon: 124° 45.989 W

48

Lat: 49° 29.008 N

Lon: 124° 45.992 W

End

Lat: ° N

Lon: ° W

Extra comments:

ctd = 47
bottle = 48

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-024 Station: 6 Event #: 52-53 Ship: Neocaligus UTC Date (dd mmm yyyy): 8 May 2021

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments	
			Target	Confirmed													
			Pressure	✓	Pressure	HPLC	Nut-F	CHL									
1		16	0			xx	xx	xx									flwr = 2.5
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): KY

Bottom Depth: 193 m
Transmisso Cleaned: Y N

Time	UTC	Local
Start	0:33	
Bottom		
End		

Positional Information

Lat:	49 ° 30.589	N
Lon:	124 ° 27.815	W

▼

Lat:	°	N
Lon:	°	W

▼

Lat:	°	N
Lon:	°	W

Extra comments:
ctd = #52
bottle = #53

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-024

Station: 3

Event #: 54-55

Ship: Neocaligus

UTC Date (dd mmm yyyy): 8 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core Samples								Comments
			Target Pressure	Confirmed ☒ Pressure	HPLC	Nut-F	CHL									
1		17	0	☒	xx	xx	x									1040L HPLC
2																flavor: 2.2
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): RL

Bottom Depth: 325 m
Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	14:32	7:32
Bottom bottle	14:44	
End		

Positional Information

Start	Lat: 49 ° 26.611 N
	Lon: 124 ° 20.250 W
	▼
Bottom	Lat: 49 ° 26.617 N
	Lon: 124 ° 20.111 W
	▼
End	Lat: ° N
	Lon: ° W

Extra comments:
cta # 54
bottle # 55

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-024

Station: 2

Event #: 56-57

Ship: Neocaligus

UTC Date (dd|mmm|yyyy): 8 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	HPLC	Nut-F	Lugol's	CHL									
1		18	0	✓	xx	xx	x	x									1040mL HPLC
2																	Flux = 1.0
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): K7

Bottom Depth: 278 m
Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	15:31	
Bottom 57:	15:42	
End		

Positional Information

Start	Lat: 49° 24.100 N
	Lon: 124° 9.309 W
Bottom 57:	▼
Bottom	Lat: 49° 24.056 N
	Lon: 124° 9.247 W
End	▼
	Lat: ° N
	Lon: ° W

Extra comments:
ctd = # 56
bottle = # 57

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	HPLC	Nut-F	CHL									
1		19	0	✓	xx	xx	x									fluo = 2.5
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): KY

Bottom Depth: 405 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start #60	18:01	11:01
Bottom #61	18:16	
End		

Positional Information

Start 60

Lat: 49° 15.007 N

Lon: 123° 45.017 W

▼

Bottom 61

Lat: 49° 15.044 N

Lon: 123° 45.069 W

▼

End

Lat: ° N

Lon: ° W

Extra comments:

ctd = # 60
bottle = # 61