

Water Properties Group

Program STN List:

SOG

Sampling Log

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

Cruise ID:

2020-031

Station:

SI

Event #:

1

Ship:

Vector

UTC Date (dd/mm/yyyy): 08 Oct 2020

Niskin #

Firing #

Sample #

Rosette Operation

Target Pressure

Confirmed Pressure

Sampler's Initials / Samples Taken

Oxy

Nut-F

Sal

Chl a

HPLC

Sample Lists: Core Samples

Comments

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): SK

Bottom Depth: 184 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 0255 0755

Bottom 0300

End

Positional Information

Lat: 48 ° 39.167 N

Lon: 123 ° 30.628 W

Bottom

Lat: 48 ° 39.167 N

Lon: 123 ° 30.628 W

End

Lat: 48 ° 39.162 N

Lon: 123 ° 30.628 W

Extra comments:

Version: 28May2020

Transmissometer to be cleaned before each cast, do not use Ammonia products

Water Properties Group

Program STN List:

SoG

Sampling Log

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

Cruise ID:

2020-031

Station:

102

Event #:

#3

Ship:

Vector

UTC Date (dd mmm/yyyy): 08 10 2020

Rosette Operation

Target Pressure

Confirmed Pressure

Sampler's Initials / Samples Taken

Sample Lists: Core_Samples

Comments

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

CP

Bottom Depth: 255 m

Transmisso Cleaned: 0 / N

Time UTC Local

Start 1754 1054

Bottom 1818

End 1838

Positional Information

Lat: 48° 30' 00" N

Lon: 124° 43' 99" W

Lat: 48° 30' 01" N

Lon: 124° 44' 03" W

Lat: 48° 30' 01" N

Lon: 124° 44' 01" W

Lat: 48° 30' 01" N

Lon: 124° 44' 01" W

Extra comments:

Water Properties Group

Program
STN List:

SoG

Sampling Log

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

Cruise ID:

2020-031

Station:

75

Event #:

7

Ship:

Vector

UTC Date (dd/mm/yyyy): 08 / 10 / 2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Oxy	Nut-F	Sal	Chl a	HPLC		Core Samples			
1	1	28	B-5	✓ 218	x	x								
2	2	29	200	✓ 200	x	xx	x							
3	3	30	175	✓ 175	x	x								
4	4	31	150	✓ 150	x	x								
5	5	32	125	✓ 125	x	xx								
6	6	33	100	✓ 100	x	x								
7	7	34	75	✓ 75	xx	x								
8	8	35	50	✓ 50	x	x								
9	9	36	40	✓ 40	x	x								
10	10	37	30	✓ 30	x	x								
11	11	38	20	✓ 20	x	x		x						
12	12	39	10	✓ 10	x	x		x						
13	13	40	5	✓ 5	xx	x		xx						
14	14	41	SFC	✓ 1.5	x	x		x	xx					
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): 1P

Bottom Depth: 221 m
Transmisso Cleaned: 0 / N

Time UTC Local
Start 2232
Bottom 2237
End 2254

Positional Information
Lat: 48° 28' 20.5" N
Lon: 124° 37' 71.3" W

Bottom
Lat: 48° 28' 23.0" N
Lon: 124° 32' 71.0" W

End
Lat: 48° 28' 23.8" N
Lon: 124° 32' 73.5" W

Extra comments:

Water Properties Group

Program
STN List:

SOG

Sampling Log

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

Cruise ID:

2020-031

Station:

69

Event #:

14

Ship:

Vector

UTC Date (dd|mm|yyyy): 09 | 10 | 2020

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

CP

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:				Comments
			Target Pressure	Confirmed Pressure	Oxy	Nut-F	Sal	Chl a	HPLC						

1	1	56	B-5	✓ 175	X	X									
2	2	57	150	✓ 150	XX	XX	X								
3	3	58	125	✓ 125	X	X									
4	4	59	100	✓ 100	X	X									
5	5	60	75	✓ 76	XX	X									
6	6	61	50	✓ 50	X	X									
7	7	62	40	✓ 40	X	X									
8	8	63	30	✓ 30	X	X									
9	9	64	20	✓ 20	X	XX		XX							
10	10	65	10	✓ 10	X	X		X							
11	11	66	5	✓ 5	X	X		X							
12	12	67	SFC	✓ 1.3	X	X		X	XX						FL: 0.6 V 0.7 V
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Bottom Depth: 178 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 1823

Bottom 1827

End 1841

Positional Information

Start Lat: 48° 15' 58.6 N

Start Lon: 123° 43' 17.0 W

Bottom Lat: 48° 15' 58.6 N

Bottom Lon: 123° 43' 16.5 W

End Lat: 48° 15' 60.0 N

End Lon: 123° 43' 20.1 W

Extra comments:

Water Properties Group

Program
STN List:

SOG

Sampling Log

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

Cruise ID:

2020-031

Station:

ADCP

Event #:

21

Ship:

Vector

UTC Date (dd/mm/yyyy): 10 | 10 | 2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Oxy	Nut-F	Sal	Chl a	HPLC	Lugol's	DA	Core Samples		
1	1	82	B-5	✓ 118	X	X								
2	2	83	100	✓ 100	X	X	X							
3	3	84	75	✓ 75	X	X								
4	4	85	50	✓ 50	X	XX								
5	5	86	40	✓ 40	X	X								
6	6	87	30	✓ 30	X	X								
7	7	88	20	✓ 20	X	X		XX						
8	8	89	10	✓ 10	XX	X		X						
9	9	90	5	✓ 5	X	X		X						
10	10	91	SFC	✓ 1.5	X	X		X	XX	X	X			FL: 0.9
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): LP

Bottom Depth: 121 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0149	
Bottom	0151	
End	0202	

Positional Information

Lat: 48° 14' 00" N

Lon: 128° 18' 01" W

Bottom

Lat: 48° 14' 01" N

Lon: 128° 18' 01" W

End

Lat: 48° 14' 00" N

Lon: 128° 18' 00" W

Extra comments:

Water Properties Group

Program STN List:

SOG

Sampling Log

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

Cruise ID:

2020-031

Station:

62

Event #:

25

Ship:

Vector

UTC Date (dd/mm/yyyy): 10/10/2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Oxy	Nut-F	Sal	Chl a	HPLC		Core Samples			

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): 4

1	1	92	B-5	✓ 143	x	x								
2	2	93	125	✓ 126	x	x	x							
3	3	94	100	✓ 100	x	x								
4	4	95	75	✓ 75	x	xx								
5	5	96	50	✓ 50	xx	x								
6	6	97	40	✓ 40	xx	x								
7	7	98	30	✓ 30	x	x								
8	8	99	20	✓ 20	x	x		x						
9	9	100	10	✓ 10	x	x		x						
10	10	101	5	✓ 5	x	x		xx						
11	11	102	SFC	✓ 1.2	x	xx		x	xx				FL: 0.6	
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Bottom Depth: 145 m

Transmisso Cleaned: 0 / N

Time	UTC	Local
Start	1641	
Bottom	1644	
End	1659	

Positional Information

Start

Lat: 48° 22.819 N

Lon: 123° 02.462 W

Bottom

Lat: 48° 22.819 N

Lon: 123° 02.452 W

End

Lat: 48° 22.837 N

Lon: 123° 02.324 W

Extra comments:

Water Properties Group

Program
STN List:

SOG

Sampling Log

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

Cruise ID:

2020-031

Station:

59

Event #:

29

Ship:

Vector

UTC Date (dd|mm|yyyy): 10 / 10 / 2020

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): 49

Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Core_Samples		Comments	
Target Pressure	Confirmed Pressure	Oxy	Nut-F	Sal	Chl a	HLPC	Lugol's	DA	DIC				

Niskin #	Firing #	Sample #											
1	1	103	B-5	✓ 235	x	x			x				
2	2	104	200	✓ 200	x	x		x	x				
3	3	105	175	✓ 175	x	x							
4	4	106	150	✓ 150	x	x			xx				
5	5	107	125	✓ 125	x	x							
6	6	108	100	✓ 100	xx	x			x				
7	7	109	75	✓ 75	xx	xx			x				
8	8	110	50	✓ 50	x	x			xx				
9	9	111	40	✓ 40	x	x							
10	10	112	30	✓ 30	x	xx			x				
11	11	113	20	✓ 20	x	x		xx	x				
12	12	114	10	✓ 10	x	x		x	x				
13	13	115	5	✓ 5	x	x		x	x				
14	14	116	SFC	1.5	x	x			x				
15	15	117	SFC	1.5	x	x		x	x				FL = 0.0
16													
17													
18													
19													
20													
21													
22													
23													
24													

Bottom Depth: 238 m
Transmisso Cleaned: Y / N

Time UTC Local
Start 2105
Bottom 2110
End 2126

Positional Information
Start Lat: 48° 37.793 N Lon: 123° 14 450 W
Bottom Lat: 48° 37 812 N Lon: 123° 14 454 W
End Lat: 48° 37 799 N Lon: 123° 14 370 W

Extra comments:

SOG

Sampling Log

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

Cruise ID:

2020-031

Station:

46

Event #:

37-36

Ship:

Vector

UTC Date (dd|mmm|yyyy): 11 10 2020

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): *ef*

Bottom Depth: 75 m

Transmisso Cleaned: Y / N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
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Start	1927
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Bottom	1703	
--------	------	--

End	19-12	
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Positional Information

Lat: 48° 51' 40"

Lon: 125° 10' 01" W

Lat: 48° 51' 39.5"

Lon: 123.010816

Lat: 49° 21' 27"

Lon: 103 321

Extra comments:

[illegible]

SoG

Sampling Log

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

Cruise ID:

2020-031

Station:

49

Event #:

41

Ship:

Vector

UTC Date (dd/mm/yyyy): 11/10/2020

[illegible]

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

for Mel

Bottom Depth: <u>130</u> m
Transmisso Cleaned: Y / N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	1738	
Bottom	1742	
End	1746	

Positional Information	
Lat:	48 ° 55 004 N
Lon:	122 ° 59 622 W

Bottom		
Lat:	43 ° 55	009 N
Lon:	122 ° 59	616 W

Lat:	48° 55'	021	N
Lon:	122° 59'	615	W

Extra comments:

Sample # 13 out
of order. #

Water Properties Group

Program
STN List:

SoG

Sampling Log

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

Cruise ID:

2020-031

Station:

56

Event #:

44

Ship:

Vector

UTC Date (dd|mm|yyyy): 11 | 10 | 2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Oxy	Nut-F	Sal	Chl a	HPLC	Lugol's	DA	Core Samples		
1	1	130	B-5	✓ 209	x	x								
2	2	131	200	✓ 200	x	x	x							
3	3	132	175	✓ 175	x	x								
4	4	133	150	✓ 150	x	x								
5	5	134	125	✓ 125	x	x								
6	6	135	100	✓ 100	x	xx								
7	7	136	75	✓ 75	xx	x								
8	8	137	50	✓ 50	x	x								
9	9	138	40	✓ 40	xx	x								
10	10	139	30	✓ 30	x	x								
11	11	140	20	✓ 20	x	x		xx						
12	12	141	10	✓ 10	x	x		x						
13	13	142	5	✓ 5	x	xx		x						
14	14	143	SFC	✓ 1.5	x	x								
15	15	144	SFC	✓ 1.5		x		x	xx	x	x		0.8	
16														
17														
18														
19														
20														
21														
22														
23														
24														

Version: 28May2020

Transmissometer to be cleaned before each cast, do not use Ammonia products

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

Bottom Depth: 215 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	2006	
Bottom	2010	
End	2026	

Positional Information
Start
Lat: 48° 46.370 N
Lon: 123° 1.614 W

Bottom
Lat: 48° 46.370 N
Lon: 123° 1.607 W

End
Lat: 48° 46.459 N
Lon: 123° 1.541 W

Extra comments:

3

Sampling Log

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

Cruise ID:

2020-031

Station:

42

Event #:

33

Ship:

Vector

UTC Date (dd|mmm|yyyy): 12 10 2020

Profile type:

	ROS	TRM	X-Niskin	other?
1				
2				
3				
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92				
93				
94				
95				
96				
97				
98				
99				
100				

Watchkeeper(s):

Watchkeeper(s): CP

Cruise ID:		Station:														
Z0Z0-00T		T2														
Niskin #	Firing #	Sample #	Rosette Operation	Sampler's Initials / Samples Taken								Sample Lists: Core_Samples				Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Nut-F	Sal	Chl a	HPLC	Lugol's	DA	DIC				

Profile type:
☒ ROS ☐ TRM ☐ X-Nislin ☐ other?
 Watchkeeper(s): 4

Bottom Depth: 316 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1706	
Bottom	1712	
End	1731	

Positional Information

Lat:	49° 17' 45" N
Lon:	123° 26' 16" W

Lat:	49° 1' 30.8" N
Lon:	123° 26' 13.4" W

Lat:	49 ° 1	300
Lon:	123 ° 06	212

Extra comments:

Extra comments:

[illegible]

SOG

Sampling Log

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

Cruise ID:

2020-031

Station:

36

Event #:

57

Ship:

Vector

UTC Date (dd mmm yyy): 12 10 2020

Profile type:

ROS	TRM	X-Niskin	other?
-----	-----	----------	--------

Watchkeeper(s): 10

[illegible]

Bottom Depth: 366 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2016	
Bottom	2023	
End	2045	

Positional Information

Lat:	49° 9	N
Lon:	123° 32	W

Lat:	49° 9' 821 N
Lon:	123° 32' 886 W

Lat:	49° 9' 812 N
Lon:	123° 32' 981 W

Extra comments:

Extra comments:

Water Properties Group

Program STN List:

SoG

Sampling Log

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

Cruise ID:

2020-031

Station:

VAN1

Event #:

66

Ship:

Vector

UTC Date (dd mmm yyyy): 13 / 10 / 2020

Rosette Operation

Target Pressure	Confirmed Pressure
	☒

Sampler's Initials / Samples Taken

Oxy	Nit-F	Sal	Chl a	HPLC	Lugol's	DA	DIC

Sample Lists: Core, Samples

Core	Samples

Comments

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): 48

Bottom Depth: 111 m

Transmisso Cleaned: (Y) / N

Time UTC Local

Start	0220	
Bottom	0222	
End	0233	

Positional Information

Lat: 49° 18' 848 N
Lon: 123° 15' 852 W

Bottom
Lat: 49° 18' 853 N
Lon: 123° 15' 863 W

End
Lat: 49° 18' 858 N
Lon: 123° 15' 906 W

Extra comments:

Water Properties Group

Program STN List:

SOG

Sampling Log

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

Cruise ID:

2020-031

Station:

VAN4

Event #:

67

Ship:

Vector

UTC Date (dd/mm/yyyy): 13/10/2020

Rosette Operation

Target Pressure

Confirmed Pressure

Sampler's Initials / Samples Taken

Oxy Nut-F Sal Chl a HPLC DIC

Sample Lists: Core Samples

Comments

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

48

Bottom Depth: 57 m

Transmisso Cleaned: Y / N

Time UTC Local

Start	1504	
Bottom	1506	
End	1515	

Positional Information

Lat: 49° 17' 884" N
Lon: 123° 5' 839" W

Bottom
Lat: 49° 17' 886" N
Lon: 123° 5' 831" W

End
Lat: 49° 17' 880" N
Lon: 123° 5' 800" W

Extra comments:

Water Properties Group

Program STN List:

SoG

Sampling Log

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

Cruise ID:

2020-031

Station:

VAN5

Event #:

68

Ship:

Vector

UTC Date (dd/mm/yyyy):

13/10/2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Oxy	Nut-F	Sal	Chl a	HPLC	DIC	Core	Samples		
1	1	200	B-5	✓ 30.9	X	XX				X				
2	2	201	30	✓ 30	X	X	X			X				
3	3	202	20	✓ 20	X	X		X		X				
4	4	203	10	✓ 10	XX	X		XX		XX				
5	5	204	5	✓ 5	X	X		X		X				
6	6	205	SFC	✓ 1.6	X	X				X				
7	7	206	SFC	✓ 1.6				X	XX				FL 1.2	
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):

44

Bottom Depth: 32 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 1540

Bottom 1543

End 1548

Positional Information

Lat: 49° 17' 718 N

Lon: 123° 03' 349 W

Bottom Lat: 49° 17' 718 N

Lon: 123° 03' 348 W

End Lat: 49° 17' 720 N

Lon: 123° 03' 311 W

Extra comments:

Water Properties Group

Program STN List:

SOG

Sampling Log

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

Cruise ID:

2020-031

Station:

VAN6

Event #:

30

Ship:

Vector

UTC Date (dd/mm/yyyy): 13/10/2020

Niskin # Firing # Sample #

Rosette Operation Target Pressure Confirmed Pressure

Sampler's Initials / Samples Taken Oxy Nut-F Sal Chl a HPLC DIC

Sample Lists: Core Samples

Comments

Profile type: ROS TRM X-Niskin other? Watchkeeper(s): 49

Bottom Depth: 63 m Transmisso Cleaned: 8 / N

Time UTC Local Start 1649 Bottom 1651 End 1700

Positional Information Lat: 49.17 905 N Lon: 122.58 866 W

Bottom Lat: 49.17 910 N Lon: 122.58 867 W

End Lat: 49.17 906 N Lon: 122.58 866 W

Extra comments:

Water Properties Group

Program STN List: SOG

Sampling Log

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

Cruise ID:

2020-031

Station:

VAN7

Event #:

71

Ship:

Vector

UTC Date (dd/mm/yyyy): 13/10/2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Oxy	Nut-F	Sal	Chl a	HPLC	DIC	Core Samples			
1	1	216	B-5	✓ 11	x	xx		✓		xx				
2	2	217	10	✓ 10	xx	x	x	xx		xx				
3	3	218	5	✓ 5	x	x		x		x				
4	4	219	SFC	✓	x	x				x				
5	5	220	SFC	✓				x	xx					FL: 3.3
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Version: 28May2020

Transmissometer to be cleaned before each cast, do not use Ammonia products

Profile type: ROS TRM X-Niskin other?
Watchkeeper(s): 18

Bottom Depth: 12 m
Transmisso Cleaned: Y / N

Time UTC Local
Start 1737
Bottom 1739
End 1742

Positional Information
Start
Lat: 49° 17' 40.5 N
Lon: 122° 54' 31.2 W

Bottom
Lat: 49° 17' 40.5 N
Lon: 122° 54' 31.3 W

End
Lat: 49° 17' 40.8 N
Lon: 122° 54' 31.4 W

Extra comments:

Water Properties Group

Program STN List:

SOG

Sampling Log

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

Cruise ID:

2020-031

Station:

IND2

Event #:

73

Ship:

Vector

UTC Date (dd/mm/yyyy): 13/10/2020

Niskin #

Firing #

Sample #

Rosette Operation

Target Pressure

Confirmed

Pressure

Oxy

Nut-F

Sal

Chl a

HPLC

DIC

Sample Lists:

Core Samples

Comments

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

LP

Bottom Depth:

158

m

Transmisso Cleaned:

Y / N

Time

UTC

Local

Start

Bottom

End

Positional Information

Lat:

49° 21' 00.5 N

Lon:

122° 54' 12.0 W

Lat:

49° 20' 99.9 N

Lon:

122° 54' 11.3 W

Extra comments:

Version: 28May2020

Transmissometer to be cleaned before each cast, do not use Ammonia products

Water Properties Group

Program STN List:

SoG

Sampling Log

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

Cruise ID:

2020-031

Station:

IND8

Event #:

75

Ship:

Vector

UTC Date (dd/mm/yyyy): 13/10/2020

Niskin # Firing # Sample #

Rosette Operation Target Pressure Confirmed Pressure

Sampler's Initials / Samples Taken Oxy Nut-F Sal Chl a HPLC DIC

Sample Lists: Core Samples

Comments

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): 48

Bottom Depth: 36 m Transmisso Cleaned: Y / N

Time		UTC	Local
Start		2049	
Bottom		2050	
End		2056	

Positional Information

Start Lat: 49° 26' 49.2" N Lon: 122° 52' 59.2" W

Bottom Lat: 49° 26' 48.8" N Lon: 122° 52' 59.4" W

End Lat: 49° 26' 48.0" N Lon: 122° 52' 60.6" W

Extra comments:

Version: 28May2020

Transmissometer to be cleaned before each cast, do not use Ammonia products

Water Properties Group

Program STN List:

SoG

Sampling Log

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

Cruise ID:

2020-031

Station:

IND7

Event #:

777

Ship:

Vector

UTC Date (dd|mm|yyyy): 13 | 10 | 2020

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

CP

Niskin #

Firing #

Rosette Operation Target Pressure

Confirmed Pressure

Sampler's Initials / Samples Taken

Oxy Nut-F Sal Chl a HPLC DIC

Sample Lists: Core Samples

Comments

Bottom Depth: 73 m

Transmisso Cleaned: 0 / N

Time UTC Local

Start 2147

Bottom 2149

End 2157

Positional Information

Lat: 49°27' 413 N

Lon: 122°52' 657 W

Bottom Lat: 49°27' 410 N

Lon: 122°52' 655 W

End Lat: 49°27' 407 N

Lon: 122°52' 666 W

Extra comments:

SOG

Sampling Log

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

Cruise ID:

2020-031

Station:

IND4

Event #:

Ship:

Vector

UTC Date (dd|mmm|yyyy): 13 | 10 | 2022

Profile type:

ROS	TRM	X-Niskin	other?
-----	-----	----------	--------

other?

Watchkeeper(s):

7

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core Samples				Comments
			Target Pressure	Confirmed Pressure	Oxy	Nut-F	Sal	Chl a	HPLC	Lugol's	DA	DIC			
1	1	249	B-5	✓ 218	x	x									
2	2	250	200	✓ 200	x	x	x								
3	3	251	175	✓ 175	x	x									
4	4	252	150	✓ 150	xx	x									
5	5	253	125	✓ 125	x	xx									
6	6	254	100	✓ 100	x	x									
7	7	255	75	✓ 75	x	x									
8	8	256	50	✓ 50	xx	x									
9	9	257	40	✓ 40	x	x									
10	10	258	30	✓ 30	x	x									
11	11	259	20	✓ 20	x	x		xx							
12	12	260	10	✓ 10	x	x		x							
13	13	261	5	✓ 5	x	x		x							
14	14	262	SFC	✓	x	xx									
15	15	263	SFC	✓				x	xx	x	x				
16															
17															
18															
19															
20															
21															
22															
23															
24															

Version: 28May2020

Transmissometer to be cleaned before each cast, do not use Ammonia products

FL: 1.9

Bottom Depth: 221 m

Transmisso Cleaned: Y / N

Y / N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
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Start	2021
-------	------

End	2392	
-----	------	--

Positional Information

Lat: 49° 23' 23" N

Lon: 122° 52' 45" W

W 958

Lat: 79° 23' 25" N

Lon: 122° 52' 40" W

$$w + c_2$$

Lat: 99° 23' 20" N

Lon: 122° 02' 46" W

W 967

Extra comments:

Water Properties Group

Program
STN List:

SOG

Sampling Log

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

Cruise ID:

2020-031

Station:

IND0

Event #:

82

Ship:

Vector

UTC Date (dd/mm/yyyy):

14/10/2020

Niskin #

Firing #

Sample #

Rosette Operation

Target Pressure

Confirmed Pressure

Sampler's Initials / Samples Taken

Oxy

Nut-F

Sal

Chl a

HPLC

DIC

Sample Lists:

Core Samples

Comments

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

48

Bottom Depth: 32 m
Transmisso Cleaned: Y / N

Time UTC Local
Start 0138
Bottom 0139
End 0144

Positional Information
Start
Lat: 49° 18' 209 N
Lon: 122° 56' 360 W

Bottom
Lat: 49° 18' 289 N
Lon: 122° 56' 360 W

End
Lat: 49° 18' 288 N
Lon: 122° 56' 354 W

Extra comments:

SoG

Sampling Log

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

Cruise ID:

2020-031

Station:

27

Event #:

900

Ship:

Vector

UTC Date (dd|mmm|yyyy): 16 10 2020

Profile type:

ROS	TRM	X-Niskin	other?
-----	-----	----------	--------

Watchkeeper(s):

5

في

Cruise ID:		Station:																
Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments	
			Target Pressure	Confirmed Pressure	Oxy	Nut-F	Sal	Chl a	HPLC	Lugol's	DA	DIC						

Profile type:	ROS	TRM	X-Niskin	other?
Watchkeeper(s):	4			

Bottom Depth:	344	m
Transmissio Cleaned:	Y	/ N

Time	UTC	Local
Start	2029	
Bottom	2035	
End	2056	

Positional Information

Lat:	49° 19.070	N
Lon:	123° 47.978	W

Lat:	49° 19' 08.6" N
Lon:	123° 47' 9.88" W

Lat:	49° 19'	109°
Lon:	123° 47'	993'

Extra comments:

Water Properties Group

Program STN List:

SOG

Sampling Log

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

Cruise ID:

2020-031

Station:

CPF1

Event #:

08

Ship:

Vector

UTC Date (dd/mm/yyyy): 16/10/2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Nut-F	Chl a	HPLC	Core Samples			
1	1	291	20	✓ 20	X	XX					
2	2	292	10	✓ 10	X	X					
3	3	293	5	✓ 5	XX	X					
4	35	294	SFC	✓ 1.3	X	X	XX				FL 1,0
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											

Version: 28May2020

Transmissometer to be cleaned before each cast, do not use Ammonia products

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): LP

Bottom Depth: 244 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0233	
Bottom	0238	
End	0247	

Positional Information

Start

Lat: 49° 22.003 N

Lon: 124° 05.112 W

Bottom

Lat: 49° 22.005 N

Lon: 124° 05.093 W

End

Lat: 49° 22.061 N

Lon: 124° 5.060 W

Extra comments:

Water Properties Group

Program STN List:

Sog

Sampling Log

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

Cruise ID:

2020-031

Station:

2

Event #:

89

Ship:

Vector

UTC Date (dd|mm|yyyy): 16 | 10 | 2020

Niskin #

Firing #

Sample #

Rosette Operation
Target Pressure

Confirmed Pressure

Sampler's Initials / Samples Taken

Oxy Nut-F Sal Chl a HPLC Lugol's DA

Sample Lists: Core Samples

Comments

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

Bottom Depth: 277 m

Transmisso Cleaned: Y / N

Time UTC Local

Start	2320	
Bottom	2326	
End	2345	

Positional Information

Start
Lat: 49° 24 119 N
Lon: 124° 09 304 W

Bottom
Lat: 49 24 125 N
Lon: 124° 9 304 W

End
Lat: 49° 24 110 N
Lon: 124° 9 302 W

Extra comments:

Water Properties Group

Program STN List:

SoG

Sampling Log

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

Cruise ID:

2020-031

Station:

3

Event #:

90

Ship:

Vector

UTC Date (dd mmm yyyy):

17 10 2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Oxy	Nut-F	Sal	Chl a	HPLC		Core Samples			
1	1	311	B-5	✓ 320	X	X								
2	2	312	300	✓ 300	X	X	X							
3	3	313	250	✓ 250	XX	X								
4	4	314	200	✓ 200	X	X								
5	5	315	175	✓ 175	X	XX								
6	6	316	150	✓ 150	XX	X								
7	7	317	125	✓ 125	X	X								
8	8	318	100	✓ 100	X	X								
9	9	319	75	✓ 75	X	X								
10	10	320	50	✓ 50	X	X								
11	11	321	40	✓ 40	X	X								
12	12	322	30	✓ 30	X	X								
13	13	323	20	✓ 20	X	X		XX						
14	14	324	10	✓ 10	X	XX		X						
15	15	325	5	✓ 5	X	X		X						
16	16	326	SFC	✓ 1.3	X	X		X	XX					
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: ROS TRM X-Niskin other?
Watchkeeper(s): 24

Bottom Depth: 323 m
Transmisso Cleaned: Y / N

Time UTC Local
Start 0038
Bottom 0044
End 0104

Positional Information
Start
Lat: 49° 26 603 N
Lon: 124° 20 198 W

Bottom
Lat: 49° 26 611 N
Lon: 124° 20 206 W

End
Lat: 49° 26 605 N
Lon: 124° 20 197 W

Extra comments:

Water Properties Group

Program STN List:

SOG

Sampling Log

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

Cruise ID:

2020-031

Station:

6

Event #:

93

Ship:

Vector

UTC Date (dd | mmm | yyyy): 17 | 10 | 2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments
			Target Pressure	Confirmed Pressure	Oxy	Nut-F	Sal	Chl a	HPLC		Core Samples		
1	1	327	B-5	✓ 189	x	x							
2	2	328	175	✓ 175	xx	x	x						
3	3	329	150	✓ 150	x	x							
4	4	330	125	✓ 125	x	x							
5	5	331	100	✓ 100	x	x							
6	6	332	75	✓ 75	x	xx							
7	7	333	50	✓ 50	x	x							
8	8	334	40	✓ 40	x	x							
9	9	335	30	✓ 30	x	xx							
10	10	336	20	✓ 20	x	x		x					
11	11	337	10	✓ 10	x	x		xx					
12	12	338	5	✓ 5	xx	x		x					
13	13	339	SFC	✓ 1.7	x	x		x	xx				FL: 0.6
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): 4

Bottom Depth: 192 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1408	
Bottom	1412	
End	1427	

Positional Information

Lat: 49° 30.584 N

Lon: 124° 27.943 W

Bottom

Lat: 49° 30 610 N

Lon: 124° 27 959 W

End

Lat: 49° 30 595 N

Lon: 124° 28 049 W

Extra comments:

Water Properties Group

Program
STN List:

SOG

Sampling Log

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

Cruise ID:

2020-031

Station:

9

Event #:

94

Ship:

Vector

UTC Date (dd/mm/yyyy): 17/10/2020

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

18

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Oxy	Nut-F	Sal	Chl a	HPLC		Core	Samples		
1	1	340	B-5	✓ 167	X	XX								
2	2	341	150	✓ 150	X	X	X							
3	3	342	125	✓ 125	X	X								
4	4	343	100	✓ 100	XX	X								
5	5	344	75	✓ 75	X	XX								
6	6	345	50	✓ 50	X	X								
7	7	346	40	✓ 40	X	X								
8	8	347	30	✓ 30	X	X								
9	9	348	20	✓ 20	X	X		XX						
10	10	349	10	✓ 10	XX	X		X						
11	11	350	5	✓ 5	X	X		X						
12	12	351	SFC	✓ 1.8	X	X		X	XX					FL 0.8
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Bottom Depth: 169 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1522	
Bottom	1528	
End	1543	

Positional Information

Start

Lat: 49° 35' 43.4 N

Lon: 124° 38' 21.9 W

Bottom

Lat: 49° 35' 44.3 N

Lon: 124° 38' 26.1 W

End

Lat: 49° 35' 49.6 N

Lon: 124° 38' 30.0 W

Extra comments:

Water Properties Group

Program STN List:

SoG

Sampling Log

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

Cruise ID:

2020-031

Station:

14

Event #:

101

Ship:

Vector

UTC Date (dd/mm/yyyy): 17/10/2020

Niskin # Firing # Sample #

Rosette Operation Target Pressure Confirmed Pressure

Sampler's Initials / Samples Taken Oxy Nut-F Sal Chl a HPLC Lugol's DA

Sample Lists: Core Samples

Comments

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): 4

Bottom Depth: 312 m

Transmisso Cleaned: 0/1 N

Time UTC Local

Start	2111	
Bottom	2118	
End	2137	

Positional Information

Start Lat: 49° 53' 00.4" N Lon: 124° 59' 58.0" W

Bottom Lat: 49° 53' 00.9" N Lon: 124° 59' 58.5" W

End Lat: 49° 53' 00.9" N Lon: 124° 59' 59.6" W

Extra comments:

Water Properties Group

Program STN List:

SoG

Sampling Log

Cruise ID:

2020-031

Station:

QU-39

Event #:

105

Ship:

Vector

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

UTC Date (dd/mm/yyyy): 18 10 2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Nut-F	Chl a	HPLC	Core	Samples		
1	1	384	20	✓ 20	x	xx					
2	2	385	10	✓ 10	x	x					
3	3	386	5	✓ 5	x	x					
4		387	SFC	✓ 1.5	xx	x	xx				FL 1.3
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											

Version: 28May2020

Transmissometer to be cleaned before each cast, do not use Ammonia products

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): 4

Bottom Depth: 273 m

Transmisso Cleaned: ☒ Y / ☐ N

Time		UTC	Local
Start		0055	
Bottom		0100	
End		0109	

Positional Information

Start

Lat: 50 ° 01 850 N

Lon: 125 ° 05 531 W

Bottom

Lat: 50 ° 01 852 N

Lon: 125 ° 05 531 W

End

Lat: 50 ° 01 846 N

Lon: 125 ° 05 528 W

Extra comments:

Water Properties Group

Program STN List:

SOG

Cruise ID:

2020-031

Station:

22

Event #:

110

Ship:

Vector

UTC Date (dd|mm|yyyy): 18 | 10 | 2020

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

Sampling Log

Niskin # Firing # Sample #

Rosette Operation Target Pressure Confirmed Pressure

Sampler's Initials / Samples Taken Nut-F Chl a HPLC Lugol's DA

Sample Lists: Core Samples

Comments

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

Bottom Depth: 353 m Transmisso Cleaned: Y / N

Time UTC Local Start Bottom End

Positional Information

Start Lat: 49° 40' 19.3" N Lon: 124° 16' 27.4" W Bottom Lat: 49° 40' 19.9" N Lon: 124° 16' 27.9" W End Lat: 49° 40' 18.0" N Lon: 124° 16' 27.4" W

Extra comments:

Transmissometer to be cleaned before each cast, do not use Ammonia products

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

18 05 2020

Watchkeeper(s):

Bottom Depth: 425 m

Transmisso Cleaned: Y / N

Time	UTC	Local
------	-----	-------

Start	1841	1141
-------	------	------

End	1855	
-----	------	--

Positional Information

Lat: 49° 30' 32" N

Lon: 124 ° 6 012 W

Lat: 49° 30' 31.1" N

Lon: 124 ° 5 793 v

Lat: 49 ° 30 302

End
Lon: 124.08788

Extra comments: