

Cruise ID: 2019-062 Station: CPF1 Event #: 94 Ship: Vector UTC Date (dd mmm yyyy): 05 OCT 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	NUTS	Chl_a	HPLC								
1		313	20	✓ 20	x	xx									
2		314	10	✓ 10	xx	x									
3		315	5	✓ 5	x	x									
4		316	0	✓ 2.1	x	x	xx								
5															
6															
7															
8															
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Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): R

Bottom Depth: 242 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0151	1851
Bottom	0156	1856
End	0202	1902

Positional Information
Start
Lat: 49 ° 21.971 N
Lon: 124 ° 04.975 W

Bottom
Lat: 49 ° 21.977 N
Lon: 124 ° 04.967 W

End
Lat: 49 ° 21.986 N
Lon: 124 ° 04.932 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2019-062 Station: 2 Event #: 95 Ship: Vector UTC Date (dd|mmm|yyyy): 05|Oct|2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials													Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	NUTS	Sal	Chl_a	HPLC	DA	PHYTO							
1		298	Bot-5	✓	272	xx	x											
2		299	250	✓	250	xx	x	x										
3		300	200	✓	200	x	x											
4		301	175	✓	175	x	xx											
5		302	150	✓	150	x	x											
6		303	125	✓	125	x	x											
7		304	100	✓	100	x	x											
8		305	75	✓	75	x	x											
9		306	50	✓	50	x	x											
10		307	40	✓	40	x	x											
11		308	30	✓	30	x	x											
12		309	20	✓	20	x	x		xx									
13		310	10	✓	10	x	xx		x									
14		311	5	✓	5	x	x		x									
15		312	0	✓	2.5	x	x		x	xx	x	x						
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 275 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0233	1933
Bottom	0238	1938
End	0254	1954

Positional Information

Lat:	49 ° 24.154	N
Lon:	124 ° 09.356	W

Start

▼

Lat:	49 ° 24.131	N
Lon:	124 ° 09.364	W

Bottom

▼

Lat:	49 ° 24.124	N
Lon:	124 ° 09.343	W

End

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2019-062 Station: VAN1

Event #: 98

Ship: Vector

UTC Date (dd|mm|yyyy): 5 | 10 | 19

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	NUTS	Sal	DIC	Chl_a	HPLC	DA	PHYTO			
1		317	Bot-5	✓ 109	x	x		x							
2		318	100	✓	x	x	x	x							318 Sal VAN1 2019-062 Bot 2
3		319	75	✓	x	x		x							NO SALT
4		320	50	✓	x	x		xx							
5		321	40	✓	x	xx		x							
6		322	30	✓	x	x		x							
7		323	20	✓	x	x		xx	x						
8		324	10	✓	x	x		x	xx						
9		325	5	✓	xx	x		x	x						
10		326	0	✓	x	x		x							
11		327	0	✓		x			x	xx	x	x			
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Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): H.M.

Bottom Depth: 115 m
Transmisso Cleaned: (Y) / N

Time	UTC	Loca.
Start	0745	0045
Bottom	0747	
End	0758	

Positional Information

Lat:	49 ° 18 871	N
Lon:	123 ° 15 902	W

▼

Lat:	49 ° 18 869	N
Lon:	123 ° 15 898	W

▼

Lat:	49 ° 18 874	N
Lon:	123 ° 15 878	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2019-062 Station: VAN4 Event #: 102 Ship: Vector UTC Date (dd mmm yyyy): 5 10 19

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed Pressure	OXY	NUTS	Sal	DIC	Chl_a	HPLC					
1		328	Bot-5	✓ 55	x	x		x							
2		329	50	✓	x	x	x	x							
3		330	40	✓	x	x		x							
4		331	30	✓	x	x		x							
5		332	20	✓	x	xx		x	x						
6		333	10	✓	x	x		xx	x						
7		334	5	✓	x	x		x	xx						
8		335	0	✓	xx	x		x	x	xx					
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Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): Hm

Bottom Depth: 58 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	11 27	0427
Bottom	11 29	
End	11 36	

Positional Information

Lat:	49 ° 17 986	N
Lon:	123 ° 05 830	W

▼

Lat:	49 ° 17 988	N
Lon:	123 ° 05 836	W

▼

Lat:	49 ° 17 879	N
Lon:	123 ° 05 822	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2019-062 Station: VAN6 Event #: 104 Ship: Vector UTC Date (dd mmm yyyy): 5 1 10 1 19

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments		
			Target Pressure	Confirmed ✓ Pressure	OXY	NUTS	Sal	DIC	Chl_a	HPLC							
1		336	Bot-5	✓ 56	x	x		x									
2		337	50	✓	x	xx	x	x									
3		338	40	✓	x	x											
4		339	30	✓	x	x		xx									
5		340	20	✓	x	x		x	x								
6		341	10	✓	xx	x		x	xx								
7		342	5	✓	x	x		x	x								
8		343	0	✓	x	x		x	x	xx							
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24																	

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

Bottom Depth: 62 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1246	0540
Bottom	1241	
End	1249	

Positional Information

Lat:	49	°	17	916	N
Lon:	122	°	58	915	W

▼

Lat:	49	°	17	921	N
Lon:	122	°	58	914	W

▼

Lat:	49	°	17	917	N
Lon:	122	°	58	867	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2019-062

Station: IND0

Event #: 105

Ship: Vector

UTC Date (dd mmm/yyyy): 5 10 19

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	NUTS	Sal	DIC	Chl_a	HPLC					
1		344	Bot-5	✓ 27	x	x		x							
2		345	30	✓ 27	x	xx	x	x							
3		346	20	✓	x	x		x	x						
4		347	10	✓	x	x		xx	xx						
5		348	5	✓	xx	x		x	x						
6		349	0	✓	x	x		x	x	xx					
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Profile type:
☒ (ROS) TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): H.M.

Bottom Depth:	30	m
Transmisso Cleaned:	☒ Y / ☐ N	

Time	UTC	Local
Start	1349	0639
Bottom	1356	
End	1355	

Positional Information
Lat: 49 ° 18 270 N
Lon: 122 ° 56 357 W

Start

Bottom

Lat: 49 ° 18 268 N
Lon: 122 ° 56 354 W

End

Lat: 49 ° 18 259 N
Lon: 122 ° 56 346 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2019-062 Station: IND2 Event #: 106 Ship: Vector UTC Date (dd mmm/yyyy): 5 10 19

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments	
			Target Pressure	Confirmed ✓ Pressure	OXY	NUTS	Sal	DIC	Chl_a	HPLC						
1		350	Bot-5	✓ 143	x	x		x								
2		351	150	✓ 143	xx	x	x									
3		352	125	✓	x	x		xx								
4		353	100	✓	x	x		x								
5		354	75	✓ 70	x	x		x								
6		355	50	✓ 57	x	x		x								
7		356	40	✓	x	x										
8		357	30	✓	x	xx		xx								
9		358	20	✓	x	x		x	xx							
10		359	10	✓	xx	x		x	x							
11		360	5	✓	x	xx		x	x							
12		361	0	✓	x	x		x	x	xx						
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Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): H.M.

Bottom Depth: 143 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1434	0734
Bottom	1438	
End	1452	

Positional Information

Lat:	49 ° 21 014	N
Lon:	122 ° 54 158	W

Start

Lat: 49 ° 21 008 N
Lon: 122 ° 54 179 W

Bottom

Lat: 49 ° 20 978 N
Lon: 122 ° 54 144 W

End

Extra comments:
FIRED @ ODD DEPTHS

Water Properties Group

Sampling Log

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

Cruise ID: 2019-062 Station: IND4 Event #: 108 Ship: Vector UTC Date (dd mmm yyyy): 5 10 19

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments	
			Target Pressure	Confirmed Pressure	OXY	NUTS	Sal	DIC	Chl_a	HPLC	DA	PHYTO				
1		362	Bot-5	✓ 214	x	xx		x								
2		363	200	✓	xx	x	x									
3		364	175	✓	x	x		x								
4		365	150	✓	xx	x		xx								
5		366	125	✓	x	x		x								
6		367	100	✓	x	x		x								
7		368	75	✓	x	x		x								
8		369	50	✓	x	x		x								
9		370	40	✓	x	x										
10		371	30	✓	x	x		xx								
11		372	20	✓	x	x		x	x							
12		373	10	✓	x	x		x	xx							
13		374	5	✓	x	x		x	x							
14		375	0	✓	x	xx		x	x	xx	x	x				
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16																
17																
18																
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22																
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24																

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

Watchkeeper(s): Am

Bottom Depth: 220 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1556	0856
Bottom	1601	
End	1618	

Positional Information

Lat: 49 ° 23 264 N

Lon: 122 ° 52 478 W

Lat: 49 ° 23 267 N

Lon: 122 ° 52 481 W

Lat: 49 ° 23 273 N

Lon: 122 ° 52 478 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID:

2019-062

Station:

IND8

Event #:

109

Ship:

Vector

UTC Date (dd/mm/yyyy):

5 10 19

Cruise ID: 2019-002			Station: 1NDC		Event: 1													Comments
Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials													
			Target Pressure	Confirmed ✓ Pressure	OXY	NUTS	Sal	DIC	Chl_a	HPLC								
1		376	Bot-5	✓ 33	xx	x		x										
2		373 378	30	✓	x	x	x	x										
3		378 379	20	✓	x	x		x	x									
4		379 380	10	✓	x	x		xx	x									
5		380 381	5	✓	x	x		x	x									
6		381 382	0	✓	x	xx		x	xx	xx								
7																		
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Profile type:

☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): H.M.

Bottom Depth: 39 m

Transmisso Cleaned: (Y) / N

Time UTC Local

Start 17 14 10 14

Bottom 17 16

End 17 21

Positional Information

Start Lat: 49 ° 26 473 N

Lon: 122 ° 52 552 W

Bottom Lat: 49 ° 26 466 N

Lon: 122 ° 52 548 W

End Lat: 49 ° 26 456 N

Lon: 122 ° 52 536 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2019-062

Station: IND7

Event #: 110

Ship: Vector

UTC Date (dd mmm yyyy): 5 10 19

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	NUTS	Sal	DIC	Chl_a	HPLC					
1		382	Bot-5	✓ 72	x	x		x							
2		383	50	✓	x	xx	x								
3		384	40	✓	x	x									
4		385	30	✓	x	x		x							
5		386	20	✓	x	x		xx	x						
6		387	10	✓	x	x		x	xx						
7		388	5	✓	xx	x		x	x						
8		389	0	✓	x	x		x	x	xx					
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24															

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

Bottom Depth: 75 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1805	1105
Bottom	1807	
End	1815	

Positional Information

Lat:	49 ° 27 427 N
Lon:	122 ° 52 618 W

Start

Lat:	49 ° 27 426 N
Lon:	122 ° 52 619 W

Bottom

Lat:	49 ° 27 436 N
Lon:	122 ° 52 630 W

End

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2019-062

Station: VAN5

Event #: 118

Ship: Vector

UTC Date (dd/mm/yyyy): 06 OCT 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed ✓ Pressure	OXY	NUTS	Sal	DIC	Chl_a	HPLC								
1		390	Bot-5	✓ 32	x	x		x										
2		391	30	✓ 30	x	x	x	x										
3		392	20	✓ 20	x	xx		x	xx									
4		393	10	✓ 10	xx	x		xx	x									
5		394	5	✓ 5	x	x		x	x									
6		395	0	✓ 2.5	x	x		x	x	xx								
7																		
8																		
9																		
10																		
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23																		
24																		

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

Bottom Depth: 36 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0229	1929
Bottom	0230	1930
End	0235	1935

Positional Information

Lat:	49 °	17.714	N
Lon:	123 °	03.256	W

Start

▼

Lat:	49 °	17.708	N
Lon:	123 °	03.241	W

Bottom

▼

Lat:	49 °	17.716	N
Lon:	123 °	03.204	W

End

Extra comments: