

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2018-05 Station: 81 Event #: 1 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 02 | FEB | 2018

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HPLC	DC								
1		1	100	✓ 100	X	X				X								
2		2	75	✓ 75			X											
3		3	50	✓ 50														
4		4	40	✓ 40		XX												
5		5	30	✓ 30	XX													
6		6	20	✓ 20				X										
7		7	10	✓ 10				XX										
8		8	5	✓ 5														
9		9	0	1.6	X	X		X	XX									
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):

Bottom Depth: m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	1 :	:
Bottom (BO)	:	:
End (EN)	:	:

Positional Information

Start	Lat: 48° 39' . 295 N
	Lon: 123° 30' . 767 W

Start

Bottom

Bottom	Lat: 48° 39' . 305 N
	Lon: 123° 30' . 754 W

Bottom

Finish

Finish	Lat: 48° . N
	Lon: 123° . W

Finish

Extra comments: (e.g., DMS cast, PAR on, Heavy Rain, Niskins out of order, etc)

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2018-05 Station: 59 Event #: 5 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 03 | FEB | 2018

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HPLC	PWTO	DA	DIC					
1		10	6-5	✓ 225	X	X						X					
2		11	200	✓ 200	1	1	X					X					
3		12	175	✓ 175	1	1											
4		13	150	✓ 150	XX	1						X					
5		14	125	✓ 125	1	1											
6		15	100	✓ 100	XX	1						XX					
7		16	75	✓ 75	1	X						X					
8		17	50	✓ 50	1	1						X					
9		18	40	✓ 40	1	1											
10		19	30	✓ 30	1	X						XX					
11		20	20	✓ 20	1	1		XX				X					
12		21	10	✓ 10	1	1		X				X					
13		22	5	✓ 5	1	1						X					
14		23	0	✓ 1.5	X	X		X	XX	X	X	X					
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
Ros (default) | TrMetIRos | X-Niskin
Watchkeeper(s):
RCSNNLP

Bottom Depth: 229 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	03:20	19:20
Bottom (BO)	03:24	19:24
End (EN)	03:39	19:39

Positional Information

Lat:	48° 37.809	N
Lon:	123° 14.660	W

Bottom

Lat:	48° 37.810	N
Lon:	123° 14.686	W

Finish

Lat:	48° 37.837	N
Lon:	123° 14.674	W

Extra comments: (e.g., DMS cast, PAR on, Heavy Rain, Niskins out of order, etc)

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2018-05 Station: 56 Event #: 7 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 03 | FEB | 2018

Bottles & Samples			Rosette Operation			Samples Taken (↓ write samplers' initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	HPLC	PLWTO	DA							
1		24	6-5	✓	202	X	X											
2		25	200	✓	200			X										
3		26	175	✓	172	xx												
4		27	150	✓	149													
5		28	125	✓	120		xx											
6		29	100	✓	100													
7		30	75	✓	75													
8		31	50	✓	50													
9		32	40	✓	40													
10		33	30	✓	30													
11		34	20	✓	20	xx			X									
12		35	10	✓	10		xx		xx									
13		36	5	✓	5													
14		37	0	✓	3.2	X	X		X	xx	X	X						
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
Ros (default) | TrMetIRos | X-Niskin
Watchkeeper(s):
@NHLPSR

Bottom Depth: 212 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	06 : 06	22 : 06
Bottom (BO)	06 : 12	22 : 12
End (EN)	06 : 25	22 : 25

Positional Information
Start
Lat: 48 ° 46 . 385 N
Lon: 123 ° 1 . 608 W

Bottom
Lat: 48 ° 46 . 368 N
Lon: 123 ° 1 . 589 W

Finish
Lat: 48 ° 46 . 375 N
Lon: 123 ° 1 . 600 W

Extra comments: (e.g., DMS cast, PAR on, Heavy Rain, Niskins out of order, etc)

depth(m) 201.5

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2018-05 Station: 46 Event #: 16 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 03 | Feb | 2018

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HPLC	DA	Phyto						
1		38	6-5	✓ 170	xx	x											
2		39	150	✓		l	x										
3		40	125	✓		xx											
4		41	100	✓													
5		42	75	✓ 76													
6		43	50	✓													
7		44	40	✓													
8		45	30	✓	xx												
9		46	20	✓				x									
10		47	10	✓				x									
11		48	5	✓		xx											
12		49	0	✓	x	x		xx	xx	x	x						
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
☒ Ros (default) | ☐ TrMetIRos | ☐ X-Niskin
Watchkeeper(s):
SR

Bottom Depth: _____ m
Transmisso Cleaned: ☒ Y / ☐ N
Fluorometer Cleaned: ☐ Y / ☐ N

Time	UTC	Local
Start (BE)	11:58	03:58
Bottom (BO)	12:03	:
End (EN)	12:20	:

Positional Information
Start
Lat: 48° 51.425 N
Lon: 123° 10.784 W

Bottom
Lat: 48° 51.426 N
Lon: 123° 10.784 W

Finish
Lat: 48° 51.425 N
Lon: 123° 10.798 W

Extra comments: (e.g., DMS cast, PAR on, Heavy Rain, Niskins out of order, etc)

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2018-05 Station: 42 Event #: 25 Vessel: Vector UTC Date (dd|mmm|yyyy): 03 | Feb | 2018

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)										Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HPLC	DA	Phyto	DIC				
1		50	8-5	✓ 318	X							X				
2		51	300	✓			X									
3		52	250	✓								X				
4		53	200	✓								X				
5		54	175	✓	XX											
6		55	150	✓		XX						X				
7		56	125									XX				
8		57	100													
9		58	75													
10		59	50													
11		60	40			XX										
12		61	30													
13		62	20		XX			X				XX				
14		63	10					XX								
15		64	5		↓	↓										
16		65	0					X	XX	X	X	↓				
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
☒ Ros (default) | ☐ TrMetlRos | ☐ X-Niskin

Watchkeeper(s):

SR

Bottom Depth: 32 m

Transmisso Cleaned: ☒ Y / ☐ N

Fluorometer Cleaned: ☐ Y / ☐ N

Time	UTC	Local
Start (BE)	16 : 48	08 : 48
Bottom (BO)	16 : 54	:
End (EN)	17 : 17	:

Positional Information

Start

Lat: 49° 01.784 N

Lon: 123° 26.168 W

Bottom

Lat: 49° 01.792 N

Lon: 123° 26.170 W

Finish

Lat: 49° 01.794 N

Lon: 123° 26.178 W

Extra comments: (e.g., DMS cast, PAR on, Heavy Rain, Niskins out of order, etc)

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2018-05 Station: 39 Event #: 31 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 3 | FEB | 2018

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	NPIC									
1		66	5-5	✓ 370	X	X												
2		67	350	✓ 350			X											
3		68	300	✓ 300	XX													
4		69	250	✓ 250														
5		70	200	✓ 200		XX												
6		71	175	✓ 175														
7		72	150	✓ 150														
8		73	125	✓ 125														
9		74	100	✓ 100			X											
10		75	75	✓ 75	XX													
11		76	50	✓ 50														
12		77	40	✓ 40														
13		78	30	✓ 30														
14		79	20	✓ 20		XX		X										
15		80	10	✓ 10				X										
16		81	5	✓ 5			X											
17		82	0	✓ 1.7	X	X		XX	XX									
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):
PSRLP NN

Bottom Depth: 375 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	23:07	15:07
Bottom (BO)	23:14	15:14
End (EN)	23:37	15:37

Positional Information
Start
Lat: 49° 9' .787 N
Lon: 123° 32' .990 W

Bottom
Lat: 49° 9' .799 N
Lon: 123° 33' .001 W

Finish
Lat: 49° 9' .782 N
Lon: 123° 33' .019 W

Extra comments: (e.g., DMS cast, PAR on, Heavy Rain, Niskins out of order, etc)

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2018-05 Station: GEO 1 Event #: 37 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 4 | FEB | 2018

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a									
1		83	20	✓ 20		X		X									
2		84	10	✓ 10		XX		XX									
3		85	0	✓ 1.4		X		X	XX								
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):
PCNNLPSR

Bottom Depth: 402 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	02 : 46	18 : 46
Bottom (BO)	02 : 53	18 : 53
End (EN)	03 : 02	19 : 02

Positional Information
Start
Lat: 49 ° 15 . 000 N
Lon: 123 ° 44 . 935 W

Bottom
Lat: 49 ° 15 . 000 N
Lon: 123 ° 44 . 915 W

Finish
Lat: 49 ° 15 . 005 N
Lon: 123 ° 44 . 903 W

Extra comments: (e.g., DMS cast, PAR on, Heavy Rain, Niskins out of order, etc)

0' / 10' / 20' / 30' / 40' / 50' / 60' / 70' / 80' / 90' / 100' / 110' / 120' / 130' / 140' / 150' / 160' / 170' / 180' / 190' / 200' / 210' / 220' / 230' / 240' / 250' / 260' / 270' / 280' / 290' / 300' / 310' / 320' / 330' / 340' / 350' / 360' / 370' / 380' / 390' / 400' / 410' / 420' / 430' / 440' / 450' / 460' / 470' / 480' / 490' / 500' / 510' / 520' / 530' / 540' / 550' / 560' / 570' / 580' / 590' / 600' / 610' / 620' / 630' / 640' / 650' / 660' / 670' / 680' / 690' / 700' / 710' / 720' / 730' / 740' / 750' / 760' / 770' / 780' / 790' / 800' / 810' / 820' / 830' / 840' / 850' / 860' / 870' / 880' / 890' / 900' / 910' / 920' / 930' / 940' / 950' / 960' / 970' / 980' / 990' / 1000'

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2018-05 Station: 27 Event #: 40 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 1 FEB 2018

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HPLC	DA	PAR	DIC					
1		86	5-5	✓ 341	X	X						X					bottle 1 Low
2		87	300	✓ 300			X					X				341	empty
3		88	250	✓ 250								XX				300	
4		89	200	✓ 200	XX							X				200	- likely not set
5		90	175	✓ 175								X				175	properly
6		91	150	✓ 150		XX						XX					
7		92	125	✓ 125								X					
8		93	100	✓ 100								X					trigger 24 → bottle 1
9		94	75	✓ 75	XX							X					trigger 1 → bot 2
10		95	50	✓ 50								X					trigger 2 → bot 3
11		96	40	✓ 40								X					
12		97	30	✓ 30								X					bot 2 = 341 m
13		98	20	✓ 20		XX		X				XX					bot 3 = 300
14		99	10	✓ 10				XX				X					bot 4 = 200
15		100	5	✓ 5								X					!
16		101	0	✓ 2.1	X	X						X					∴ no water
17		102	0	✓ 2.1				X	XX	X	X						from 250 m
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
Ros (default) | TrMetlRos | X-Niskin

Watchkeeper(s):
RLPNNR

Bottom Depth: 413 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	05:14	21:14
Bottom (BO)	05:20	21:20
End (EN)	05:40	21:40

Positional Information

Start

Lat: 49° 19' .095 N

Lon: 123° 48' .030 W

Bottom

Lat: 49° 19' .094 N

Lon: 123° 48' .022 W

Finish

Lat: 49° 19' .093 N

Lon: 123° 48' .029 W

Extra comments: (e.g., DMS cast, PAR on, Heavy Rain, Niskins out of order, etc)

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2018-05 Station: 2 Event #: 48 Vessel: Vector UTC Date (dd|mmm|yyyy): 04 | Feb | 2018

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HPLC	DA	Phyto							
1		103	B-5	✓270														
2		104	250	✓			X											
3		105	200	✓	XX													
4		106	175	✓														
5		107	150															
6		108	125			XX												
7		109	100															
8		110	75															
9		111	50															
10		112	40			XX												
11		113	30		XX													
12		114	20					X										
13		115	10					XX										
14		116	5		↓	↓												
15		117	0					X	XX	X	X							
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):
SR

Bottom Depth: 274 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 10:58 02:56
Bottom (BO) 11:02 :
End (EN) 11:23 :

Positional Information
Start Lat: 49° 24.077 N
Lon: 124° 9.272 W
Bottom Lat: 49° 24.113 N
Lon: 124° 9.306 W
Finish Lat: 49° 24.115 N
Lon: 124° 9.348 W

Extra comments: (e.g., DMS cast, PAR on, Heavy Rain, Niskins out of order, etc)

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2018-05 Station: CPF1 Event #: 50 Vessel: Vector UTC Date (dd|mmm|yyyy): 04 | Feb | 2018

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a									
1		118	20	✓		X		XX									
2		119	10			XX		X									
3		120	0			X		X									
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):
SR

Bottom Depth: 242 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	12:34	04:34
Bottom (BO)	12:38	:
End (EN)	12:45	:

Positional Information
Lat: 49° 22.018 N
Lon: 124° 5.105 W

Start

Lat: 49° 22.020 N
Lon: 124° 5.100 W

Bottom

Lat: 49° 22.020 N
Lon: 124° 5.095 W

Finish

Extra comments: (e.g., DMS cast, PAR on, Heavy Rain, Niskins out of order, etc)

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2018-05 Station: 3 Event #: 53 Vessel: Vector UTC Date (dd|mmm|yyyy): 4 | Feb | 2018

Bottles & Samples		Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	RP	PLC						
1		121	B-5	✓ 318		X										not tripped.
2		122	250	✓			X									
3		123	200	✓												
4		124	175	✓												
5		125	150			XX										
6		126	125													NOT PROCESSED
7		127	125													
8		128	100	99.8		XX										
9		129	75													
10		130	50													
11		131	40		XX											
12		132	30													
13		133	20					XX								
14		134	10		XX			X								
15		135	5			XX										
16		136	0		✓	✓		X	XX							
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):
SR

Bottom Depth: 323 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	15:14	07:14
Bottom (BO)	15:21	:
End (EN)	15:	:

Positional Information
Start
Lat: 49° 26.630 N
Lon: 124° 20.210 W

Bottom
Lat: 49° 26.624 N
Lon: 124° 20.224 W

Finish
Lat: 49° 26. N
Lon: 124° 20. W

Extra comments: (e.g., DMS cast, PAR on, Heavy Rain, Niskins out of order, etc)

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2018-05 Station: BS17 Event #: 57 Vessel: Vector UTC Date (dd|mmm|yyyy): 04 | Feb | 2018

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)										Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	HPLC	DIC						
1		137	B-5	✓ 59						X						
2		138	50	✓			X			X						
3		139	40	✓						XX						
4		140	30	✓						X						
5		141	20	✓				X		X						
6		142	10	✓	XX			XX		XX						
7		143	5	✓	↓	XX				X						
8		144	0	✓	↓	↓		X	XX	X						
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):
SR

Bottom Depth: 63 m
Transmisso Cleaned: 51 N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 18:58 10:58
Bottom (BO) 18:59 :
End (EN) 19:07 :

Positional Information
Start Lat: 49° 29 . 002 N
Lon: 124° 45 . 985 W
▼
Bottom Lat: 49° 29 . 000 N
Lon: 124° 45 . 989 W
▼
Finish Lat: 49° 29 . 000 N
Lon: 124° 45 . 995 W

Extra comments: (e.g., DMS cast, PAR on, Heavy Rain, Niskins out of order, etc)