

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2018-29 Station: 31 Event #: 1 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 07 | Apr | 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	MP	DC								
1		1	100	✓ 100	X	X												
2		2	75	✓ 75	1	1	X											
3		3	50	✓	1	1												
4		4	40	✓	xx	1												
5		5	30	✓		1												
6		6	20	✓				X										
7		7	10	✓		xx		X										
8		8	5	✓		1												
9		9	SP	✓	X	X		xx	xx									
10		10	6-10	✓ 173						X								
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
☒ Ros (default) ☐ TrMetRos ☐ X-Niskin
 Watchkeeper(s):
SR/PL

Bottom Depth: 123 m
 Transmisso Cleaned: ☒ Y ☐ N
 Fluorometer Cleaned: ☐ Y ☐ N

Time	UTC	Local
Start (BE)	01:41	18:41
Bottom (BO)	01:45	:
End (EN)	01:57	:

Positional Information

Start	Lat: <u>48° 39.195</u> N
	Lon: <u>123° 30.642</u> W

Bottom

	Lat: <u>48° 39.203</u> N
	Lon: <u>123° 30.642</u> W

Finish

	Lat: <u>48° 39.208</u> N
	Lon: <u>123° 30.655</u> 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: 2018-29 Station: 59 Event #: 9 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 07 | APR | 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	PS10	DA					
1		11	6-5	✓ 231	X	X				X							
2		12	200	✓ 200	1	1	X			X							
3		13	175	✓ 175	XX	1											
4		14	150	✓ 150	1	XX				X							
5		15	125	✓ 125	1	1											
6		16	100	✓ 100	1	1				XX							
7		17	75	✓ 75	1	1				X							
8		18	50	✓ 50	1	1				X							
9		19	40	✓ 40	XX	1											
10		20	30	✓ 30	1	XX				XX							
11		21	20	✓ 20	1	1		X		X							
12		22	10	✓ 10	1	1		XX		X							
13		23	5	✓ 5	1	1				X							
14		24	SAc	✓ 1.3	X	X		X	XX	X	X	X					
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 235 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 07:12 00:12
Bottom (BO) 07:18 00:18
End (EN) 07:35 00:35

Positional Information
Start
Lat: 48° 37' 804" N
Lon: 123° 14' 556" W

Bottom
Lat: 48° 37' 810" N
Lon: 123° 14' 543" W

Finish
Lat: 48° 37' 798" N
Lon: 123° 14' 548" 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: 2018-29

Station: 69

Event #: 13

Vessel: Vector

UTC Date (dd|mmm|yyyy): 07 | APR | 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									
1		25	B-5	✓ 175														
2		26	150			XX	X											
3		27	125															
4		28	100															
5		29	75		XX													
6		30	50		X													
7		31	40		XX													
8		32	30			XX												
9		33	20					X										
10		34	10					XX										
11		35	5															
12		36	surf		↓	↓		X	XX									
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 179 m
 Transmisso Cleaned: ☒ Y / ☐ N
 Fluorometer Cleaned: ☐ Y / ☐ N

Time	UTC	Local
Start (BE)	13:34	06:34
Bottom (BO)	13:39	:
End (EN)	13:55	:

Positional Information
 Start
 Lat: 48° 15.607 N
 Lon: 123° 43.242 W

Bottom
 Lat: 48° 15.605 N
 Lon: 123° 43.244 W

Finish
 Lat: 48° 15.610 N
 Lon: 123° 43.240 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: 2018-29 Station: 72 Event #: 18 Vessel: Vector UTC Date (dd|mmm|yyyy): 07|Apr|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	Phyto	DA					
1		37	B-5	✓ 183						X							
2		38	175	✓			X										
3		39	150	✓						XX							
4		40	125	✓													
5		41	100	✓						X							
6		42	75	✓		XX				X							
7		43	50	✓	XX					X							
8		44	40	✓													
9		45	30	✓						XX							
10		46	20	✓		XX				X							
11		47	10	✓	↓			X		X							
12		48	5	✓	XX	↓		XX		X							
13		49	0	✓	X	↓				X							
14		50	0	✓				X	XX		X	X					
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 189 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	17:23	10:23
Bottom (BO)	17:27	:
End (EN)	17:43	:

Positional Information

Lat:	48° 18.596	N
Lon:	124° 4.057	W

Start

Lat:	48° 18.592	N
Lon:	124° 4.056	W

Bottom

Lat:	48° 18.587	N
Lon:	124° 4.063	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: 2018-29 Station: ADCP Event #: 22 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 7 | APR | 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	HPIC	POM	DA							
1		51	65	✓	116	X	X											bottle foul and laminar fouled by PVC tube
2		52	100	✓	100		XX	X										
3		53	75	✓	75													
4		54	50	✓	50													
5		55	40	✓	40													
6		56	30	✓	30													
7		57	20	✓	20				X									
8		58	10	✓	10				X									
9		59	5	✓	5	XX												
10		60	ste	✓	1.6	X	X		XX	XX	X	X						
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
 Ros (default) | TrMet/Ros | X-Niskin
 Watchkeeper(s):
R/SB/CS

Bottom Depth: 120 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	22 :33	15 :33
Bottom (BO)	22 :35	15 :35
End (EN)	22 :46	15 :46

Positional Information

Lat:	48 ° 13 . 992	N
Lon:	123 ° 18 . 058	W

Start

▼

Lat:	48 ° 13 . 987	N
Lon:	123 ° 18 . 052	W

Bottom

▼

Lat:	48 ° 13 . 993	N
Lon:	123 ° 18 . 054	W

Finish

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

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Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2018-29 Station: 65 Event #: 26 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 8 | Apr | 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	H ₂ O ₂										
1		61	6-10	✓	117	X	X												
2		62	100	✓	100	XX		X											
3		63	75	✓	75														
4		64	50	✓	50														
5		65	40	✓	40														
6		66	30	✓	30														
7		67	20	✓	20			XX											
8		68	10	✓	10			X											
9		69	5	✓	5		XX												
10		70	stc	✓	2.8	X	X	X	XX										
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type:
 Ros (default) | TrMetlRos | X-Niskin
 Watchkeeper(s):
PC/CS/SS

Bottom Depth: 125 m
 Transmissometer Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	01:56	18:56
Bottom (BO)	01:58	18:58
End (EN)	02:06	19:06

Positional Information
 Start
 Lat: 48 ° 15 . 908 N
 Lon: 123 ° 9 . 805 W

Bottom
 Lat: 48 ° 15 . 898 N
 Lon: 123 ° 9 . 798 W

Finish
 Lat: 48 ° 15 . 902 N
 Lon: 123 ° 9 . 642 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: 2018-29 Station: 63 Event #: Vessel: VECTIS2 UTC Date (dd|mmm|yyyy):

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	AMTD	DA							
1		71	20						X									
2		72	10						XX									
3		73	SPC						X	XX	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):

Bottom Depth: m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) : :
Bottom (BO) : :
End (EN) : :

Positional Information
Start Lat: ° . N
Lon: ° . W
Bottom Lat: ° . N
Lon: ° . W
Finish Lat: ° . N
Lon: ° . 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: 2018-29 Station: 56 Event #: 34 Vessel: Vector UTC Date (dd|mmm|yyyy): 08 | APR | 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	PAR	Phyto	DA							
1		74	8-5	✓ 210														
2		75	200	✓ 201			X											
3		76	175	✓		XX												
4		77	150	✓														
5		78	125	✓														
6		79	100	✓ 101	XX													
7		80	75	✓														
8		81	50	✓														
9		82	40	✓		XX												
10		83	30	✓														
11		84	20	✓ 21	XX			XX										
12		85	10	✓				X										
13		86	5	✓														
14		87	0	✓	↓	↓		X	XX	X	X							
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s):

812

Bottom Depth: 215 m

Transmisso Cleaned: ☒ Y ☐ N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	12:06	05:06
Bottom (BO)	12:11	:
End (EN)	12:29	:

Positional Information

Start

Lat: 48° 46.372 N

Lon: 123° 01.597 W

Bottom

Lat: 48° 46.370 N

Lon: 123° 01.597 W

Finish

Lat: 48° 46.352 N

Lon: 123° 01.583 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: 2018-29 Station: 46 Event #: 43 Vessel: Vector UTC Date (dd|mmm|yyyy): 08 | APR | 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	WPC									
1		88	B-5	✓	174													
2		89	150	✓			X											
3		90	125	✓														
4		91	100	✓		XX												
5		92	75	✓		XX												
6		93	50	✓														
7		94	40															
8		95	30															
9		96	20					X										
10		97	10			XX		XX										
11		98	5			XX												
12		99	0			↓	↓	X	XX									
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 179 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 17:53 10:53
Bottom (BO) 17:56 :
End (EN) 18:12 :

Positional Information
Start Lat: 48° 51.415 N
Lon: 123° 10.800 W
Bottom Lat: 48° 51.414 N
Lon: 123° 10.801 W
Finish Lat: 48° 51.407 N
Lon: 123° 10.799 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: 2018-29 Station: 42 Event #: _____ Vessel: VECTOR UTC Date (dd|mmm|yyyy): 8 | APR | 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	APC	DIC	PAR	DA	ION					
1		100	6-5	✓ 313	X	X				X			X					
2		101	300	✓ 300	1	1	X											
3		102	250	✓ 250	1	1				X			X					
4		103	200	✓ 200	XY	1				X			X					
5		104	175	✓ 175	1	1												
6		105	150	✓ 150		XX				X			X					
7		106	125	✓ 125		1				XX			X					
8		107	100	✓ 100		1				X			X					
9		108	75	✓ 75		XX				X			X					
10		109	50	✓ 50		1				X			X					
11		110	40	✓ 40		1				X			X					
12		111	30	✓ 30	XX	1				X			X					
13		112	20	✓ 20	1	1		XX		XX			XX					
14		113	10	✓ 10	1	1		X		X			X					
15		114	5	✓ 5	1	1				X			X					
16		115	stc	✓ 1.7	X	X		X	XX	X	X	X	X					
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
 Ros (default) | TrMetlRos | X-Niskin
 Watchkeeper(s):
R/SR/02

Bottom Depth: 317 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>22:05</u>	<u>15:05</u>
Bottom (BO)	<u>22:08</u>	<u>15:08</u>
End (EN)	<u>22:31</u>	<u>15:31</u>

Positional Information

Lat:	<u>49° 01' . 774</u>	N
Lon:	<u>123° 26' . 183</u>	W

Start

Lat:	<u>49° 01' . 800</u>	N
Lon:	<u>123° 26' . 147</u>	W

Bottom

Lat:	<u>49° 01' . 794</u>	N
Lon:	<u>123° 26' . 196</u>	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: 2018-29 Station: 39 Event #: 58 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 9 | Apr | 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	MPLE								
1		116	6-5	✓ 368	X	X											
2		117	350	✓ 350			X										
3		118	300	✓ 300													
4		119	250	✓ 250	XX												
5		120	200	✓ 200													
6		121	175	✓ 175													
7		122	150	✓ 150	XX												
8		123	125	✓ 125													
9		124	100	✓ 100		XX											
10		125	75	✓ 75		XX											
11		126	50	✓ 50		XX											* spigot
12		127	40	✓ 40													nut
13		128	30	✓ 30													* set
14		129	20	✓ 20				X									
15		130	10	✓ 10				X									
16		131	5	✓ 5													
17		132	stc	✓ 1.7	X	X		XX	XX								
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 373 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	03:16	20:16
Bottom (BO)	03:22	20:22
End (EN)	03:43	20:47

Positional Information

Lat:	49° 9.814	N
Lon:	123° 33.022	W

Bottom

Lat:	49° 9.790	N
Lon:	123° 33.012	W

Finish

Lat:	49° 9.835	N
Lon:	123° 32.984	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: 2018-29 Station: GEO1 Event #: 64 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 9 | Apr | 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								
1		133	20	✓ 20				X									
2		134	10	✓ 10				XX									
3		135	sfc	✓ 1.8				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):
pe/se/cs

Bottom Depth: 400 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	06:20	23:20
Bottom (BO)	06:28	23:28
End (EN)	06:37	23:37

Positional Information

Lat:	49° 14.981	N
Lon:	123° 44.896	W

▼

Lat:	49° 14.995	N
Lon:	123° 44.873	W

▼

Lat:	49° 15.010	N
Lon:	123° 44.897	W

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