

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2017-65 Station: S1 Event #: 1 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 03 | Oct | 2017

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	DIC									
1		1	100	✓ 100	X	X												
2		2	75	✓ 75		1	X		X									
3		3	50	✓ 50		XX												
4		4	40	✓ 40														
5		5	30	✓ 30	XX													
6		6	20	✓ 20				XX										
7		7	10	✓ 10				XX										
8		8	5	✓ 5														
9		9	sfc	✓ .8	X	XX		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):
PC et al.

Bottom Depth: 180 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	00 :50	17 :50
Bottom (BO)	00 :52	17 :52
End (EN)	01 :00	18 :00

Positional Information

Lat:	48 ° 39 . 11	N
Lon:	123 ° 30 . 61	W

▼

Lat:	48 ° 39 . 10	N
Lon:	123 ° 30 . 61	W

▼

Lat:	48 ° 39 . 11	N
Lon:	123 ° 30 . 60	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: 2017-65 Station: 102 Event #: 9 Vessel: Vector UTC Date (dd|mmm|yyyy): 05 | Oct | 2017

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	HRE	PATO	DA						
1		10	6-5	✓ 251	X	X	X										
2		11	200	✓	1	1	X										
3		12	175	✓	1	1	X										
4		13	150	✓	xx	1	X										
5		14	125	✓	1	xx	X										
6		15	100	✓	1	1	X										
7		16	75	✓	1	1	X										
8		17	50	✓	1	1	X										
9		18	40	✓	1	1	X										
10		19	30	✓		xx	X										
11		20	20	✓	xx	1	X	xx									
12		21	10	✓	1	1	X	xx									
13		22	5	✓	1	1	X										
14		23	stc	✓	X	X	X	xx	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: 235 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	15:02	08:02
Bottom (BO)	15:06	:
End (EN)	15:22	:

Positional Information

Start

Lat: 48° 30.00 N

Lon: 124° 44.04 W

Bottom

Lat: 48° 30.01 N

Lon: 124° 44.02 W

Finish

Lat: 48° 30.00 N

Lon: 124° 44.02 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: 2017-65 Station: 75 Event #: 12 Vessel: Vector UTC Date (dd|mmm|yyyy): 05 | OCT | 2017

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		24	B-5	✓	221													
2		25	200	✓		xx												
3		26	175	✓														
4		27	150	✓														
5		28	125	✓	124		xx											
6		29	100	✓														
7		30	75	✓														
8		31	50	✓														
9		32	40	✓														
10		33	30	✓			xx											
11		34	20	✓				xx										
12		35	10	✓		xx		xx										
13		36	5			↓												
14		37	surf			↓			xx	xx								
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 223 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 17:41 10:41
Bottom (BO) 17:46 :
End (EN) 18:01 :

Positional Information
Start
Lat: 48° 28.20 N
Lon: 124° 32.82 W

Bottom
Lat: 48° 28.21 N
Lon: 124° 32.81 W

Finish
Lat: 48° 28.18 N
Lon: 124° 32.81 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: 2017-65 Station: 72 Event #: 17 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 05 | OCT | 2017

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	HLR	PLC	PAR	DA						
1		38	6-5	✓ 183	X	X				X								
2		39	175	✓ 175		XX												
3		40	150	✓ 150						XX								
4		41	125	✓ 125	XX													
5		42	100	✓ 100						X								
6		43	75	✓ 75						X								
7		44	50	✓ 50	XX					X								
8		45	40	✓ 40														
9		46	30	✓ 30		XX				XX								
10		47	20	✓ 20				XX		X								
11		48	10	✓ 10				XX		X								
12		49	5	✓ 5						X								
13		50	sfc	✓ 1.06	X	X		XX	XX	X	X	X						
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
Ros (default) | TrMetRos | X-Niskin
Watchkeeper(s):
R NW MB

Bottom Depth: 188 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 21 : 57 14 : 57
Bottom (BO) 22 : 03 15 : 03
End (EN) 22 : 15 15 : 15

Positional Information
Start
Lat: 48 ° 18 . 488 N
Lon: 124 ° 03 . 857 W
▼
Bottom
Lat: 48 ° 18 . 466 N
Lon: 124 ° 03 . 846 W
▼
Finish
Lat: 48 ° 18 . 402 N
Lon: 124 ° 03 . 886 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: 2017-65 Station: 69 Event #: 20 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 06 | Oct | 2017

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		51	5-5	✓ 172	X	X												
2		52	150	✓ 150														
3		53	125	✓ 125														
4		54	100	✓ 100		XX												
5		55	75	✓ 75														
6		56	50	✓ 50	XX	XX												
7		57	40	✓ 40														
8		58	30	✓ 30	XX													
9		59	20	✓ 20				XX										
10		60	10	✓ 10				XX										
11		61	5	✓ 5														
12		62	SE	✓ 1.3	X	X		XX	XX									
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 176 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	00 :42	17 :42
Bottom (BO)	00 :46	17 :46
End (EN)	00 :57	17 :57

Positional Information
Lat: 48 ° 15 .566 N
Lon: 123 ° 43 .228 W

▼
Lat: 48 ° 15 .563 N
Lon: 123 ° 43 .234 W

▼
Lat: 48 ° 15 .574 N
Lon: 123 ° 43 .288 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: 2017-65 Station: ADCP Event #: 24 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 06 | OCT | 2017

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	NPLC	PATD	DA						
1		63	6.5	✓	115	X	X										
2		64	100	✓	100												
3		65	75	✓	75												
4		66	50	✓	50	XX											
5		67	40	✓	40												
6		68	30	✓	30												
7		69	20	✓	20			XX									
8		70	10	✓	10		XX	XX									
9		71	5	✓	5		X										
10		72	ste	✓	1.2	X	X	XX	XX	X	X						
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Watchkeeper(s):
RN NN MB

Bottom Depth: 119 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	04:12	21:12
Bottom (BO)	04:15	21:15
End (EN)	04:23	21:23

Positional Information

Start

Lat: 48° 13.998 N

Lon: 123° 18.050 W

Bottom

Lat: 48° 13.999 N

Lon: 123° 18.052 W

Finish

Lat: 48° 14.006 N

Lon: 123° 18.053 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: 2017-65 Station: 65 Event #: 29 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 06 | Oct | 2017

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									
1		73	6-5	✓ 122		X												
2		74	100			XX												
3		75	75															
4		76	50															
5		77	40															
6		78	30															
7		79	20					XX										
8		80	10					XX										
9		81	5															
10		82	stc			X		XX	XX									
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: 127 m

Transmisso Cleaned: Y N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	07:07	00:07
Bottom (BO)	07:09	:
End (EN)	07:18	:

Positional Information

Start	Lat:	48° 15.923 N
	Lon:	123° 9.834 W
Bottom	Lat:	48° 15.935 N
	Lon:	123° 9.860 W
Finish	Lat:	48° 15.922 N
	Lon:	123° 9.936 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: 2017-65 Station: 63 Event #: 32 Vessel: Vector UTC Date (dd|mmm|yyyy): 06 | OCT | 2017

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	Phyco	DA							
1		83	20						XX									
2		84	10						XX									
3		85	surf						XX	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):

SR

Bottom Depth: 152 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	09:31	02:31
Bottom (BO)	09:33	:
End (EN)	09:	:

Positional Information
Start
Lat: 48° 14.600 N
Lon: 122° 58.484 W

Bottom
Lat: 48° 14.600 N
Lon: 122° 58.493 W

Finish
Lat: 48° 14.600 N
Lon: 122° 58.493 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: 2017-65 Station: 62 Event #: 33 Vessel: Vector UTC Date (dd|mmm|yyyy): 06 | OCT | 2017

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		86	B-5	✓ 146	↓	↓												
2		87	125	✓	↓	↓												
3		88	160	✓	↓	↓												
4		89	75	✓	↓	XX												
5		90	50	✓	XX	↓												
6		91	40	✓	↓	↓												
7		92	30	✓	↓	↓												
8		93	20	✓	XX	↓		XX										
9		94	10	✓	↓	↓		XX										
10		95	5	✓	↓	XX												
11		96	surf	X	↓	↓		XX	XX									surf bot not tripped - took chl & HPLC from bot 10
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: 150 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	10:53	03:53
Bottom (BO)	10:56	:
End (EN)	11:04	:

Positional Information
Start
Lat: 48° 22.813 N
Lon: 123° 2.566 W

Bottom
Lat: 48° 22.810 N
Lon: 123° 2.576 W

Finish
Lat: 48° 22.807 N
Lon: 123° 2.593 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: 2017-65 Station: 59 Event #: 37 Vessel: Vector UTC Date (dd|mmm|yyyy): 06 | OCT | 2017

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		97	B-5	✓ 230						X								
2		98	200	✓						X								
3		99	175															
4		100	150			XX				X								
5		101	125															
6		102	100							XX								
7		103	75		XX					X								
8		104	50							X								
9		105	40															
10		106	30	✓		XX				XX								
11		107	20	✓	XX			XX		X								
12		108	10					XX		X								
13		109	5							X								
14		110	surf		↓	↓		XX	XX									
15		111	surf							X	X	X						
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s):
SR

Bottom Depth: 23 m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	14:07	07:
Bottom (BO)	14:11	:
End (EN)	14:26	:

Positional Information

Lat: 48° 37.808 N

Lon: 123° 14.572 W

▼

Lat: 48° 37.813 N

Lon: 123° 14.580 W

▼

Lat: 48° 37.790 N

Lon: 123° 14.604 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: 2017-65 Station: 56 Event #: 42 Vessel: Vector UTC Date (dd|mmm|yyyy): 06 | OCT | 2017

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	Phylo	DA							
1		112	B-5	✓	210	↓	↓											
2		113	200	✓		↓		X										
3		114	175	✓		XX												
4		115	150	✓		↓												
5		116	125	✓		↓												
6		117	100	✓		XX												
7		118	75	✓		↓												
8		119	50	✓		↓												
9		120	40	✓		↓	XX											
10		121	30	✓		XX												
11		122	20	✓		↓			XX									
12		123	10	✓		↓			XX									
13		124	5	✓		↓	↓											
14		125	surf	✓		↓	↓		XX	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: 213 m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	16 : 45	09 : 45
Bottom (BO)	16 : 49	:
End (EN)	17 : 05	:

Positional Information

Start

Lat: 48 ° 46.394 N

Lon: 123 ° 1.642 W

Bottom

Lat: 48 ° 46.376 N

Lon: 123 ° 1.590 W

Finish

Lat: 48 ° 46.388 N

Lon: 123 ° 1.632 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: 2017-65 Station: 46 Event #: 50 Vessel: Vector UTC Date (dd|mmm|yyyy): 06 | Oct | 2017

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		126	B-5	✓	172													
2		127	150	✓	150													
3		128	125	✓	125													
4		129	100	✓	100	XX												
5		130	75	✓	75													
6		131	50	✓	50													
7		132	40	✓	40		XX											
8		133	30	✓	30	XX												
9		134	20	✓	20			XX										
10		135	10	✓	10		XX	XX										
11		136	5	✓	5													
12		137	surf	✓	1.5	↓	↓	XX	XX									
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s):
PC MB NN

Bottom Depth: 175 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	22 :00	15 :00
Bottom (BO)	22 :02	15 :03
End (EN)	22 :14	15 :14

Positional Information

Lat: 48 ° 51 . 414 N

Lon: 123 ° 10 . 844 W

▼

Lat: 48 ° 51 . 414 N

Lon: 123 ° 10 . 837 W

▼

Lat: 48 ° 51 . 421 N

Lon: 123 ° 10 . 829 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: 2017-65 Station: 42 Event #: 52 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 7 | Oct | 2017

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	NALC	DIC	PARTO	DA					
1		138	6-5	✓ 314	X	X				X							
2		139	300	✓ 300			X										
3		140	250	✓ 250						X							
4		141	200	✓ 200						X							
5		142	175	✓ 175	XX												
6		143	150	✓ 150		XX				X							
7		144	125	✓ 125						XX							
8		145	100	✓ 100		XX				X							
9		146	75	✓ 75						X							
10		147	50	✓ 50						X							
11		148	40	✓ 40						X							
12		149	30	✓ 30	XX					X							
13		150	20	✓ 20				XX		XX							
14		151	10	✓ 10				XX		X							
15		152	5	✓ 5						X							
16		153	stc	✓ 1.3	X	X		XX	XX	X	X	X					
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Watchkeeper(s):
REN MB

Bottom Depth: 318 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	00 : 33	17 : 33
Bottom (BO)	00 : 38	17 : 38
End (EN)	00 : 55	17 : 55

Positional Information

Start

Lat: 49 ° 1 . 829 N

Lon: 123 ° 26 . 171 W

Bottom

Lat: 49 ° 1 . 844 N

Lon: 123 ° 26 . 182 W

Finish

Lat: 49 ° 01 . 760 N

Lon: 123 ° 26 . 234 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: 2017-65 Station: 39 Event #: 60 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 7 | Oct | 2017

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	MPIC									
1		154	6-5	✓ 371	X	X												
2		155	350	✓ 350														
3		156	300	✓ 300														
4		157	250	✓ 250		XX												
5		158	200	✓ 200														
6		159	175	✓ 175														
7		160	150	✓ 150														
8		161	125	✓ 125														
9		162	100	✓ 100														
10		163	75	✓ 75														
11		164	50	✓ 50	XX													
12		165	40	✓ 40														
13		166	30	✓ 30														
14		167	20	✓ 20				XX										
15		168	10	✓ 10		XX		XX										
16		169	5	✓ 5														
17		170	ste	✓ 1.5	XX	X		XX	XX									
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s):
PC NB NN

Bottom Depth: 373 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	05 : 38	22 : 38
Bottom (BO)	05 : 44	22 : 44
End (EN)	06 : 02	23 : 02

Positional Information

Start

Lat: 49 ° 9 . 796 N

Lon: 123 ° 32 . 020 W

Bottom

Lat: 49 ° 9 . 810 N

Lon: 123 ° 33 . 043 W

Finish

Lat: 49 ° 9 . 824 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: 2017-65 Station: GE01 Event #: 65 Vessel: Vector UTC Date (dd|mmm|yyyy): 07|OCT|2017

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	4PIC								
1		171	20	✓		X		XX									
2		172	10	✓		X		XX									
3		173	surf	✓		X		XX	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):

SR

Bottom Depth: 400 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time

UTC

Local

Start (BE)

08:35

01:35

Bottom (BO)

08:43

:

End (EN)

08:52

:

Positional Information

Start

Lat: 49° 15.003 N

Lon: 123° 44.896 W

Bottom

Lat: 49° 15.007 N

Lon: 123° 44.884 W

Finish

Lat: 49° 15.004 N

Lon: 123° 44.898 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: 2017-65 Station: 27 Event #: 69 Vessel: Vector UTC Date (dd|mmm|yyyy): 07|OCT|2017

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		174	B-5	✓ 341													
2		175	300	✓													
3		176	250	✓						XX							
4		177	200	✓													
5		178	175	✓		XX											
6		179	150	✓	XX					XX							
7		180	125	✓													
8		181	100	✓													
9		182	75	✓													
10		183	50	✓													
11		184	40	✓													
12		185	30	✓													
13		186	20	✓	XX			XX		XX							
14		187	10	✓		XX		XX		X							
15		188	5	✓						X							
16		189	surf	✓	✓	✓		XX	XX								
17		190	surf	✓						X	X	X					
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

SR

Bottom Depth: 345 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time

UTC

Local

Start (BE)

10:38

03:38

Bottom (BO)

10:45

:

End (EN)

11:02

:

Positional Information

Lat:

49° 19.097

N

Lon:

123° 47.982

W

▼

Lat:

49° 19.109

N

Lon:

123° 47.986

W

▼

Lat:

49° 19.115

N

Lon:

123° 48.007

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: 2017-65 Station: 24 Event #: 76 Vessel: Vector UTC Date (dd|mmm|yyyy): 07|OCT|2017

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	ADL							
1		191	20	✓		X		XX								
2		192	10			X		XX								
3		193	Surf			X		XX	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):
SR

Bottom Depth: 4 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 14:33 07:33
Bottom (BO) 14:42 :
End (EN) 14:50 :

Positional Information
Start
Lat: 49° 30.306 N
Lon: 124° 6.004 W
Bottom
Lat: 49° 30.298 N
Lon: 124° 6.007 W
Finish
Lat: 49° 30.296 N
Lon: 124° 6.014 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: 2017-65 Station: 2 Event #: 79 Vessel: Vector UTC Date (dd|mmm|yyyy): 07|OCT|2017

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		194	B-5	✓ 273													
2		195	250														
3		196	200														
4		197	175														
5		198	150			XX											
6		199	125		XX												
7		200	100														
8		201	75														
9		202	50														
10		203	40														
11		204	30														
12		205	20					XX									
13		206	10		XX			XX									
14		207	5			XX											
15		208	surf		✓	✓		XX	XX	X	X						
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 278 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	15:56	08:56
Bottom (BO)	16:02	:
End (EN)	16:18	:

Positional Information
Start
Lat: 49° 24.096 N
Lon: 124° 9.292 W

Bottom
Lat: 49° 24.070 N
Lon: 124° 9.292 W

Finish
Lat: 49° 24.074 N
Lon: 124° 9.284 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: 2017-65 Station: CPF1 Event #: 82 Vessel: Vector UTC Date (dd|mmm|yyyy): 07|OCT|2017

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	MPDC								
1		209	20			X		XX									
2		210	10			X		XX									
3		211	surf			X		XX	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):

SR

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	17:11	10:11
Bottom (BO)	17:16	:
End (EN)	17:21	:

Positional Information

Start

Lat: 49 ° 22.001 N

Lon: 124 ° 4 .984 W

Bottom

Lat: 49 ° 21.998 N

Lon: 124 ° 4 .981 W

Finish

Lat: 49 ° 21.997 N

Lon: 124 ° 4 .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: 2017-65 Station: 3 Event #: 85 Vessel: Vector UTC Date (dd|mmm|yyyy): 7 | Oct | 2017

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		212	B-5	✓	315													
2		213	300	✓	300			X										
3		214	250	✓	250													
4		215	200	✓	200													
5		216	175	✓	175		XX											
6		217	150	✓	150													
7		218	125	✓	125													
8		219	100	✓	100													
9		220	75	✓	75													
10		221	50	✓	50													
11		222	40	✓	40													
12		223	30	✓	30													
13		224	20	✓	20		XX	XX										
14		225	10	✓	10			XX										
15		226	5	✓	5													
16		227	SWF	✓	1.2		✓	XX	XX									
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s):
D NN MB

Bottom Depth: 320 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	19:43	12:43
Bottom (BO)	19:49	12:49
End (EN)	20:07	13:07

Positional Information

Start

Lat: 49° 26.592 N

Lon: 124° 20.189 W

▼

Bottom

Lat: 49° 26.592 N

Lon: 124° 20.197 W

▼

Finish

Lat: 49° 26.599 N

Lon: 124° 20.197 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: 2017-65 Station: B517 Event #: 87 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 7 | Oct | 2017

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	MPIC	DIC						
1		228	35	✓ 54	X	X				X						
2		229	50	✓ 50						X						
3		230	40	✓ 40			X			XX						
4		231	30	✓ 30	XX					X						
5		232	20	✓ 20				XX		X						
6		233	10	✓ 10		XX		XX		XX						
7		234	5	✓ 5						X						
8		235	sfc	✓ 1.6	X	X		XX	XX	X						
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
Ros (default) | TrMetRos | X-Niskin
Watchkeeper(s):
NN MB

Bottom Depth: 58 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 22:14 15:14
Bottom (BO) 22:15 15:15
End (EN) 22:23 15:23

Positional Information
Start
Lat: 49° 28' .994 N
Lon: 124° 46' .013 W
Bottom
Lat: 49° 28' .994 N
Lon: 124° 46' .014 W
Finish
Lat: 49° 29' .987 N
Lon: 124° 46' .021 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: 2017-65 Station: 6 Event #: 90 Vessel: NECTOR UTC Date (dd|mmm|yyyy): 8 | 01 | 2017

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	MP2										
1		236	0-5	✓	188	X	X												
2		237	175	✓	175		XX	X											
3		238	150	✓	150														
4		239	125	✓	125														
5		240	100	✓	100														
6		241	75	✓	75	XX													
7		242	50	✓	50														
8		243	40	✓	40														
9		244	30	✓	30														
10		245	20	✓	20		XX		XX										
11		246	10	✓	10				XX										
12		247	5	✓	5	XX													
13		248	sfc	✓	1.4	X	X		XX	XX									
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 192 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>00:41</u>	<u>17:41</u>
Bottom (BO)	<u>00:44</u>	<u>17:44</u>
End (EN)	<u>00:56</u>	<u>17:56</u>

Positional Information

Lat:	<u>49° 30.596</u>	N
Lon:	<u>124° 27.793</u>	W

Start

▼

Lat:	<u>49° 30.601</u>	N
Lon:	<u>124° 27.792</u>	W

Bottom

▼

Lat:	<u>49° 30.590</u>	N
Lon:	<u>124° 27.782</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: 2017-65 Station: 9 Event #: 93 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 8 | OCT | 2017

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										
1		249	6-5	✓ 165		XX													
2		250	150	✓ 150			X												
3		251	125	✓ 125															
4		252	100	✓ 100															
5		253	75	✓ 75															
6		254	50	✓ 50															
7		255	40	✓ 40															
8		256	30	✓ 30		XX													
9		257	20	✓ 20				XX											
10		258	10	✓ 10				XX											
11		259	5	✓ 5															
12		260	SFC	✓ 1.4		X		XX	XX										
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 168 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	03 : 19	20 : 19
Bottom (BO)	03 : 26	20 : 26
End (EN)	03 : 37	20 : 37

Positional Information
Start
Lat: 49 ° 35 . 513 N
Lon: 124 ° 38 . 262 W

Bottom
Lat: 49 ° 35 . 513 N
Lon: 124 ° 38 . 258 W

Finish
Lat: 49 ° 35 . 494 N
Lon: 124 ° 38 . 286 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: 2017-65 Station: 12 Event #: 98 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 8 | Oct | 2017

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	HLR	DIC	PWTD	DA					
1		261	6-5	✓	347	X	X			X							
2		262	300	✓	300	1		X									
3		263	250	✓	250	XX				X							
4		264	200	✓	200	1				X							
5		265	175	✓	175	1											
6		266	150	✓	150	1				XX							
7		267	125	✓	125		XX			X							
8		268	100	✓	100		XX			X							
9		269	75	✓	75		1			X							
10		270	50	✓	50	1				XX							
11		271	40	✓	40	1				X							
12		272	30	✓	30	1				X							
13		273	20	✓	20	XX		XX		X							
14		274	10	✓	10	1		XX		X							
15		275	5	✓	5	1				X							
16		276	3fc	✓	1.4	X	X	XX	XX	X	X	X					
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 352 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 05:53 22:53
Bottom (BO) 05:59 22:59
End (EN) 06:16 23:16

Positional Information
Start
Lat: 49° 43' .607 N
Lon: 124° 40' .811 W

Bottom
Lat: 49° 43' .607 N
Lon: 124° 40' .830 W

Finish
Lat: 49° 43' .612 N
Lon: 124° 40' .796 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: 2017-65 Station: 14 Event #: 101 Vessel: Vector UTC Date (dd|mmm|yyyy): 08|OCT|2017

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	Phyto	DA							
1		277	8-5	304	1													
2		278	250		XX		X											
3		279	200															
4		280	175															
5		281	150															
6		282	125															
7		283	100															
8		284	75															
9		285	50															
10		286	40															
11		289	30															
12		290	20		XX			XX										
13		291	10					XX										
14		292	5															
15		293	surf					XX	XX	X	X							
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s):
SR

Bottom Depth: 312 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	08:51	01:51
Bottom (BO)	08:58	:
End (EN)	09:13	:

Positional Information

Start	Lat: 49° 52.998 N
	Lon: 124° 59.597 W
	▼
Bottom	Lat: 49° 53.003 N
	Lon: 124° 59.589 W
	▼
Finish	Lat: 49° 53.011 N
	Lon: 124° 59.574 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: 2017-65 Station: 16 Event #: 104 Vessel: Vector UTC Date (dd|mmm|yyyy): 08 | OCT | 2017

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		294	B-5	✓ 151														
2		295	125	✓			X											
3		296	100	✓														
4		297	75		XX													
5		298	50			X												
6		299	40			X												
7		300	30			X												
8		301	20		XX	X		XX										
9		302	10			X		XX										
10		303	5			X												
11		304	surf		✓	X		XX	XX									
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 156 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	11 : 08	04 : 08
Bottom (BO)	11 : 11	:
End (EN)	11 : 24	:

Positional Information

Lat:	49° 57.689	N
Lon:	125° 8.801	W

Start

▼

Lat:	49° 57.692	N
Lon:	125° 8.780	W

Bottom

▼

Lat:	49° 57.703	N
Lon:	125° 8.779	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: 2017-65 Station: 22 Event #: 117 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 9 | OCT | 2017

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	PHYTO	DA							
1		305	20	✓	20				XX									
2		306	10	✓	10				XX									
3		307	sfc	✓	1.5				XX	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):
NN MB

Bottom Depth: 352 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	02 : 01	19 : 01
Bottom (BO)	02 : 07	19 : 07
End (EN)	02 : 15	19 : 15

Positional Information
Start
Lat: 49 ° 40 . 206 N
Lon: 124 ° 16 . 294 W

Bottom
Lat: 49 ° 40 . 202 N
Lon: 124 ° 16 . 277 W

Finish
Lat: 49 ° 40 . 200 N
Lon: 124 ° 16 . 279 W

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