

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2013-14 Station: SI Event #: 1 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 26 | SEP | 2013

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		1	100	✓ 100															
2		2	75	✓ 74			✓												
3		3	50	✓ 50															
4		4	40	✓ 40		xx													
5		5	30	✓ 30	xx														
6		6	20	✓ 20				✓✓											
7		7	10	✓ 10				✓✓											
8		8	5	✓ 5															
9		9	SPC	✓ 1.7				✓✓											
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 185 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 01 : 31 18 : 31
 Bottom (BO) 01 : 35 18 : 35
 End (EN) 01 : 45 18 : 45

Positional Information
 Start
 Lat: 48 ° 39 . 11 N
 Lon: 123 ° 30 . 66 W
 Bottom
 Lat: 48 ° 39 . 12 N
 Lon: 123 ° 30 . 66 W
 Finish
 Lat: 48 ° 39 . 12 N
 Lon: 123 ° 30 . 66 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: 2013-14 Station: 59 Event #: 3 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 26 | SEP | 2013

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		10	6-5	✓ 215					✓										
2		11	200	✓ 200			✓												
3		12	175	✓ 175															
4		13	150	✓ 150	xx				✓										
5		14	125	✓ 125		xx													
6		15	100	✓ 100															
7		16	75	✓ 75					✓										
8		17	50	✓ 50															
9		18	40	✓ 40		xx													
10		19	30	✓ 30	xx				✓										
11		20	20	✓ 20				✓											
12		21	10	✓ 10				✓	✓										
13		22	5	✓ 5															
14		23	spe	✓ 1.6				✓	✓										
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 218 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 04:27 21:27
Bottom (BO) 04:33 21:33
End (EN) 04:49 21:49

Positional Information
Start
Lat: 48 ° 37 . 67 N
Lon: 123 ° 14 . 70 W
▼
Bottom
Lat: 48 ° 37 . 63 N
Lon: 123 ° 14 . 70 W
▼
Finish
Lat: 48 ° 37 . 60 N
Lon: 123 ° 14 . 71 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: 2013-14 Station: 75 Event #: 7 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 26 | 9 | 13

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		38	B-5	✓	216	✓	✓											
2		39	200	✓		✓	✓											
3		40	175	✓	195 wps	✓	✓											TRIPPED 2 BOTTLES
4		41	150	✓		✓	✓											
5		42	125	✓		✓	✓											
6		43	100	✓		✓	✓											
7		44	75	✓		✓	✓											
8		45	50	✓		✓	✓											
9		46	40	✓		✓	✓											
10		47	30	✓		✓	✓											
11		48	20	✓		✓	✓	✓										
12		49	10	✓		✓	✓	✓										
13		50	5	✓		✓	✓											
14		51	SFC	✓		✓	✓	✓										
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
☒ Ros (default) ☐ TrMetlRos ☐ X-Niskin
 Watchkeeper(s):
H.M.

Bottom Depth: 218 m
 Transmisso Cleaned: ☒ Y / ☐ N
 Fluorometer Cleaned: ☐ Y / ☐ N
 Time UTC Local
 Start (BE) 15:09 08:09
 Bottom (BO) 15:13 :
 End (EN) 15:31 :

Positional Information
 Start
 Lat: 48° 28.27 N
 Lon: 124° 32.60 W
 Bottom
 Lat: 48° 28.26 N
 Lon: 124° 32.54 W
 Finish
 Lat: 48° 28.19 N
 Lon: 124° 32.44 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: 2013-14 Station: 102 Event #: 10 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 26 | 9 | 13

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		24	6-5	✓	254													
2		25	200	✓			✓											
3		26	175	✓														
4		27	150	✓		xx												
5		28	125	✓		xx												
6		29	100	✓														
7		30	75	✓														
8		31	50	✓														
9		32	40	✓														
10		33	30	✓														
11		34	20	✓		xx		✓✓										
12		35	10	✓		xx		✓✓										
13		36	5															
14		37	stc					✓✓										
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 255 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	18:01	11:01
Bottom (BO)	18:06	:
End (EN)	18:23	:

Positional Information

Lat:	48° 30.00	N
Lon:	124° 43.91	W

Start

▼

Lat:	48° 29.98	N
Lon:	124° 43.89	W

Bottom

▼

Lat:	48° 29.92	N
Lon:	124° 43.72	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: 2013-14 Station: 72 Event #: 13 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 26 | SEP | 2013

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	PAR						
1		52	6-5	✓ 186					✓							
2		53	175	✓ 175			✓									
3		54	150	✓ 150					✓							
4		55	125	✓ 125	xy											
5		56	100	✓ 100		xy										
6		57	75	✓ 75					✓✓							
7		58	50	✓ 50												
8		59	40	✓ 40	xy											
9		60	30	✓ 30					✓							
10		61	20	✓ 20		xy		✓✓								
11		62	10	✓ 10				✓✓	✓							
12		63	5	✓ 5												
13		64	sfc	✓ sfc				✓✓	✓✓	✓						
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

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

Bottom Depth: 187 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	23 : 21	16 : 21
Bottom (BO)	23 : 26	16 : 26
End (EN)	23 : 43	16 : 49

Positional Information

Lat:	48 ° 18 . 54	N
Lon:	124 ° 4 . 11	W

Start

▼

Lat:	48 ° 18 . 50	N
Lon:	124 ° 4 . 15	W

Bottom

▼

Lat:	48 ° 18 . 39	N
Lon:	124 ° 4 . 23	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: 2013 14 Station: 69 Event #: 16 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 27 | SEP | 2013

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		65	6-5	✓	175													
2		66	150	✓	150			✓										
3		67	125	✓	125	✓✓												
4		68	100	✓	100		✓✓											
5		69	75	✓	75													
6		70	50	✓	50													
7		71	40	✓	40	✓✓												
8		72	30	✓	30													
9		73	20	✓	20		✓✓		✓✓									
10		74	10	✓	10				✓✓									
11		75	5	✓	5													
12		76	SPC	✓	1.9				✓✓									
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 177 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	03 : 09	20 : 09
Bottom (BO)	03 : 15	20 : 15
End (EN)	03 : 27	20 : 27

Positional Information

Lat:	48 ° 15 . 59	N
Lon:	123 ° 43 . 23	W

▼

Lat:	48 ° 15 . 57	N
Lon:	123 ° 43 . 20	W

▼

Lat:	48 ° 15 . 61	N
Lon:	123 ° 43 . 19	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: 2013-14 Station: ADCP Event #: 19 Vessel: Vector UTC Date (dd|mmm|yyyy): 27 | SEP | 2013

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		77	6-5	✓	115	X	X											
2		78	100	✓		X	X	X										
3		79	75	✓		X	X											
4		80	50	✓		X	X											
5		81	40	✓		XX	X											
6		82	30	✓		X	X											
7		83	20	✓		X	XX	XX										
8		84	10	✓		X	X	XX										
9		85	5	✓		X	X											
10		86	etc	✓		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):
H.M.

Bottom Depth: 116 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	06 : 59	11 : 59
Bottom (BO)	07 : 02	:
End (EN)	07 : 13	:

Positional Information

Lat:	48 ° 14 . 06	N
Lon:	123 ° 18 . 15	W

Start

▼

Lat:	48 ° 14 . 07	N
Lon:	123 ° 18 . 18	W

Bottom

▼

Lat:	48 ° 14 . 04	N
Lon:	123 ° 18 . 27	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: 2013-14 Station: 65 Event #: 23 Vessel: Vector UTC Date (dd|mmm|yyyy): 27|Sep|2013

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		87	6-5	✓	124		X											
2		88	100	✓		X	X											
3		89	75	✓		X												
4		90	50	✓		XX												
5		91	40	✓		X												
6		92	30	✓		X												
7		93	20	✓		X		XX										
8		94	10	✓		X		XX										
9		95	5	✓		X												
10		96	sfc	✓		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):

Bottom Depth: 124 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>09:59</u>	<u>02:59</u>
Bottom (BO)	<u>10:02</u>	:
End (EN)	<u>10:12</u>	:

Positional Information

Lat:	<u>48° 15.87</u>	N
Lon:	<u>123° 09.88</u>	W

Start

▼

Lat:	<u>48° 15.81</u>	N
Lon:	<u>123° 09.89</u>	W

Bottom

▼

Lat:	<u>48° 15.83</u>	N
Lon:	<u>123° 09.96</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: 2013-14 Station: 62 Event #: 26 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 27 | 09 | 13

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		97	B-5	✓	149	✓	✓											
2		98	125	✓		✓	✓	✓										
3		99	100	✓		✓	✓											
4		100	75	✓		✓	✓											
5		101	50	✓		✓	✓											
6		102	40	✓		✓	✓											
7		103	30	✓		✓	✓											
8		104	20	✓		✓	✓	✓										
9		105	10	✓		✓	✓	✓										
10		106	5	✓		✓	✓											
11		107	SFC	✓		✓	✓	✓										
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 146 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 12:40 05:40
 Bottom (BO) 12:43 :
 End (EN) 12:57 :

Positional Information
 Start
 Lat: 48° 22.76 N
 Lon: 123° 02.66 W
 Bottom
 Lat: 48° 22.72 N
 Lon: 123° 02.73 W
 Finish
 Lat: 48° 22.90 N
 Lon: 123° 02.96 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: 2013-14 Station: 56 Event #: 31 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 27|9|13

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		108	B-5	✓ 225	✓	✓											
2		109	200	✓			✓										
3		110	175	✓													
4		111	150	✓	✓												
5		112	125	✓													
6		113	100	✓		✓											
7		114	75	✓													
8		115	50	✓													
9		116	40	✓													
10		117	30	✓	✓												
11		118	20	✓		✓		✓✓									
12		119	10	✓				✓✓									
13		120	5	✓													
14		121	SFC	✓ 1.9	✓	✓		✓✓									
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 217 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	18 : 34	11 : 34
Bottom (BO)	18 : 39	11 : 39
End (EN)	18 : 57	11 : 57

Positional Information
Start
Lat: 48 ° 46 . 39 N
Lon: 123 ° 01 . 56 W

Bottom
Lat: 48 ° 46 . 35 N
Lon: 123 ° 01 . 45 W

Finish
Lat: 48 ° 46 . 18 N
Lon: 123 ° 01 . 26 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: 2013-14 Station: 42 Event #: 39 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 28 | SEP | 2013

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		134	6-5	✓	308				X								
2		135	300	✓			X										
3		136	250	✓					X								
4		137	200	✓					X								
5		138	175	✓		XX											
6		139	150	✓					X								
7		140	125	✓		XX											
8		141	100	✓					XX								
9		142	75	✓					X								
10		143	50	✓					XX								
11		144	40	✓		XX											
12		145	30	✓		XX			X								
13		146	20	✓				XX	XX								
14		147	10	✓				XX	X								
15		148	5	✓					X								
16		149	stc	✓				XX	X								
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 311 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	08:39	01:39
Bottom (BO)	08:45	:
End (EN)	09:03	:

Positional Information

Lat:	49 ° 01 . 37	N
Lon:	123 ° 25 . 47	W

▼

Lat:	49 ° 01 . 34	N
Lon:	123 ° 25 . 43	W

▼

Lat:	49 ° 01 . 25	N
Lon:	123 ° 25 . 37	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: 2013-14 Station: 39 Event #: 44 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 28 | 9 | 13

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	PHYS									
1		150	B-5	✓ 369	✓	✓												
2		151	350	✓			✓											
3		152	300	✓		✓												
4		153	250	✓														
5		154	200	✓														
6		155	175	✓														
7		156	150	✓														
8		157	125	✓														
9		158	100	✓	✓													
10		159	75	✓														
11		160	50	✓														
12		161	40	✓														
13		162	30	✓		✓												
14		163	20	✓				✓✓										
15		164	10	✓				✓✓										
16		165	5	✓														
17		166	SFC	✓	✓	✓		✓✓	✓									
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 372 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>13:42</u>	<u>06:42</u>
Bottom (BO)	<u>13:50</u>	:
End (EN)	<u>14:11</u>	:

Positional Information

Start	Lat: <u>48° 09' . 83</u> N
	Lon: <u>123° 32' . 92</u> W
Bottom	Lat: <u>48° 09' . 87</u> N
	Lon: <u>123° 32' . 89</u> W
Finish	Lat: <u>48° 09' .</u> N
	Lon: <u>123° 32' .</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: 2013-14 Station: 46 Event #: 33 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 28 | SEP | 2013

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		122	6-5	✓ 165													
2		123	150	✓ 150			x										
3		124	125	✓ 125		xx											
4		125	100	✓ 100	xx												
5		126	75	✓ 75													
6		127	50	✓ 50													
7		128	40	✓ 40													
8		129	30	✓ 30	xx												
9		130	20	✓ 20		xx		xx									
10		131	10	✓ 10				xx									
11		132	5	✓ 5													
12		133	spe	✓ 2.4				xx									
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: _____ m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 02:28 19:28
Bottom (BO) 02:33 19:33
End (EN) 02:47 19:47

Positional Information
Start
Lat: 48° 51.43 N
Lon: 123° 10.75 W
Bottom
Lat: 48° 51.46 N
Lon: 123° 10.63 W
Finish
Lat: 48° 51.55 N
Lon: 123° 10.37 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: 2013-14 Station: 27 Event #: 48 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 20 | 9 | 13

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		167	B-5	✓ 340	✓	✓												
2		168	300	✓			✓											
3		169	250	✓														
4		170	200	✓		✓												
5		171	175	✓														
6		172	150	✓														
7		173	125	✓	✓													
8		174	100	✓														
9		175	75	✓														
10		176	50	✓														
11		177	40	✓														
12		178	30	✓		✓												
13		179	20	✓	✓			✓✓										
14		180	10	✓				✓✓										
15		181	5	✓				✓✓										
16		182	SFC	✓	✓	✓		✓✓										
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 353 m
 Transmisso Cleaned: ☒ Y / ☐ N
 Fluorometer Cleaned: ☐ Y / ☐ N

Time	UTC	Local
Start (BE)	<u>18:05</u>	<u>11:05</u>
Bottom (BO)	<u>18:11</u>	:
End (EN)	<u>18:30</u>	:

Positional Information

Start	Lat: <u>49° 19' . 12</u> N
	Lon: <u>123° 47' . 94</u> W
Bottom	Lat: <u>49° 19' . 12</u> N
	Lon: <u>123° 47' . 89</u> W
Finish	Lat: <u>49° 19' . 09</u> N
	Lon: <u>123° 47' . 02</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: 2013-14 Station: 6 Event #: 51 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 28 | SEP | 2013

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		183	6-10	✓ 185														
2		184	175	✓ 175			X											
3		185	150	✓ 150		XX												
4		186	125	✓ 125														
5		187	100	✓ 100	XX													
6		188	75	✓ 75														
7		189	50	✓ 50														
8		190	40	✓ 40														
9		191	30	✓ 30		XX												
10		192	20	✓ 20				XX										
11		193	10	✓ 10	XX			XX										
12		194	5	✓ 5														
13		195	SFC	✓ 1.8				XX										
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 192 m
 Transmissio Cleaned: Y / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 22 : 34 15 : 34
 Bottom (BO) 22 : 38 15 : 38
 End (EN) 22 : 53 15 : 53

Positional Information
 Start
 Lat: 48 ° 30 . 60 N
 Lon: 124 ° 27 . 80 W
 Bottom
 Lat: 48 ° 30 . 61 N
 Lon: 124 ° 27 . 81 W
 Finish
 Lat: 48 ° 30 . 65 N
 Lon: 124 ° 27 . 88 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: 2013-14 Station: 9 Event #: 54 Vessel: VECTOR 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										
1		196	b-5	✓ 165		X												
2		197	150	✓ 150		X	X											
3		198	125	✓ 125		X												
4		199	100	✓ 100		XX												
5		200	75	✓ 75		X												
6		201	50	✓ 50		XX												
7		202	40	✓ 40		X												
8		203	30	✓ 30		X												
9		204	20	✓ 20		X		XX										
10		205	10	✓ 10		X		XX										
11		206	5	✓ 5		X												
12		207	sfc	✓ 1.7		X		XX										
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 169 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 01:38 18:38
Bottom (BO) 01:42 18:42
End (EN) 01:53 18:53

Positional Information
Start
Lat: 49 ° 35.51 N
Lon: 124 ° 38.27 W
Bottom
Lat: 49 ° 35.49 N
Lon: 124 ° 38.25 W
Finish
Lat: 49 ° 35.43 N
Lon: 124 ° 38.22 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: 2013-14 Station: 12 Event #: 57 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 29 | SEP | 2013

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		208	5-5	✓ 349					X							
2		209	300	✓ 300			X									
3		210	250	✓ 250					XX							
4		211	200	✓ 200		XX			X							
5		212	175	✓ 175												
6		213	150	✓ 150	YX				X							
7		214	125	✓ 125												
8		215	100	✓ 100					X							
9		216	75	✓ 75					X							
10		217	50	✓ 50		XY			X							
11		218	40	✓ 40	XX											
12		219	30	✓ 30					X							
13		220	20	✓ 20				XX	X							
14		221	10	✓ 10				XX	X							
15		222	5	✓ 5					XX							
16		223	ste	✓ 1.6				XX	X							
17																
18																
19																
20																
21																
22																
23																
24																

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

Bottom Depth: 354 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 04:01 21:01
 Bottom (BO) 04:09 21:09
 End (EN) 04:27 21:27

Positional Information
 Start
 Lat: 49° 43.59 N
 Lon: 124° 40.98 W
 Bottom
 Lat: 49° 43.57 N
 Lon: 124° 41.10 W
 Finish
 Lat: 49° 43.56 N
 Lon: 124° 41.33 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: 2013-14 Station: 14 Event #: 59 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 29 | SEP | 2013

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	phyto									
1		224	6-5	✓	312													
2		225	250	✓				X										
3		226	200	✓														
4		227	175	✓														
5		228	150	✓		X X												
6		229	125	✓		X X												
7		230	100	✓														
8		231	75	✓		X X												
9		232	50	✓														
10		233	40	✓														
11		234	30	✓														
12		235	20	✓		X X		X X										
13		236	10	✓				X X										
14		237	5	✓														
15		238	sf	✓				X X	X									
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 315 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 07:07 00:07
Bottom (BO) 07:14 :
End (EN) 07:32 :

Positional Information
Start
Lat: 49 ° 52 . 94 N
Lon: 124 ° 59 . 64 W
▼
Bottom
Lat: 49 ° 52 . 96 N
Lon: 124 ° 59 . 63 W
▼
Finish
Lat: 49 ° 52 . 99 N
Lon: 124 ° 59 . 55 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: 2013-14 Station: 16 Event #: 61 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 29 | 9 | 13

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		239	B-5	✓	157	✓	✓											
2		240	125	✓		✓		✓										
3		241	100	✓														
4		242	75	✓														
5		243	50	✓														
6		244	40	✓														
7		245	30	✓														
8		246	20	✓				✓✓										
9		247	10	✓				✓✓										
10		248	5															
11		249	SFC			✓		✓✓										
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
☒ Ros (default) ☐ TrMetlRos ☐ X-Niskin
 Watchkeeper(s):
H.M.

Bottom Depth: 156 m
 Transmisso Cleaned: ☒ Y / ☐ N
 Fluorometer Cleaned: ☐ Y / ☐ N

Time	UTC	Local
Start (BE)	09:22	07:22
Bottom (BO)	09:26	:
End (EN)	09:38	:

Positional Information

Start	Lat: 49° 57.65	N
	Lon: 125° 08.75	W

Bottom

	Lat: 49° 57.62	N
	Lon: 125° 08.73	W

Finish

	Lat: 49° 57.58	N
	Lon: 125° 08.81	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: 2013-14 Station: 2 Event #: 72 Vessel: Vector UTC Date (dd|mmm|yyyy): 30 | 9 | 13

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		250	B-5	✓	273	✓	✓										
2		251	250	✓			✓										
3		252	200	✓		✓											
4		253	175	✓													
5		254	150	✓	✓												
6		255	125	✓													
7		256	100	✓													
8		257	75	✓													
9		258	50	✓	✓												
10		259	40	✓													
11		260	30	✓													
12		261	20	✓		✓		✓✓									
13		262	10	✓				✓✓									
14		263	5	✓				✓✓									
15		264	SFC	✓	↓	↓		✓✓									
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 276 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 17:54 10:54
Bottom (BO) 18:00 :
End (EN) 18:17 :

Positional Information
Start
Lat: 49° 24.10 N
Lon: 124° 09.25 W
▼
Bottom
Lat: 49° 24.08 N
Lon: 124° 09.25 W
▼
Finish
Lat: 49° 24.06 N
Lon: 124° 09.25 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: 2013-14 Station: 3 Event #: 75 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 30 | SEP | 2013

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		265	6-5	✓ 318		X												
2		266	300	✓ 300		X	X											
3		267	250	✓ 250		X												
4		268	200	✓ 200		XX												
5		269	175	✓ 175		X												
6		270	150	✓ 150		X												
7		271	125	✓ 125		X												
8		272	100	✓ 100		X												
9		273	75	✓ 75		XX												
10		274	50	✓ 50		X												
11		275	40	✓ 40		X												
12		276	30	✓ 30		X												
13		277	20	✓ 20		X		XX										
14		278	10	✓ 10		X		XX										
15		279	5	✓ 5		X												
16		280	sfc	1.6		X		XX										
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 320 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	20 :36	13 :36
Bottom (BO)	20 :42	13 :42
End (EN)	20 :58	13 :58

Positional Information

Lat:	<u>49 ° 26 . 63</u>	N
Lon:	<u>124 ° 20 . 25</u>	W

Start

▼

Lat:	<u>49 ° 26 . 66</u>	N
Lon:	<u>124 ° 20 . 26</u>	W

Bottom

▼

Lat:	<u>49 ° 26 . 68</u>	N
Lon:	<u>124 ° 20 . 30</u>	W

Finish

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