

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-17 Station: SI Event #: 1 Vessel: VECTOR UTC Date (dd|mmm|yyyy): | |

Bottles & Samples			Rosette Operation		Samples Taken (write sample's initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	DIC	WPC							
1		1	100	✓ 100	X	X	X		X								
2		2	75	✓ 75													
3		3	50	✓ 50													
4		4	40	✓ 40	XX												
5		5	30	✓ 30		X											
6		6	20	✓ 20				XX									
7		7	10	✓ 10				XX									
8		8	5	✓ 5													
9		9	sfc	✓ .1	X	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):

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

Time	UTC	Local
Start (BE)	<u>23 : 53</u>	<u>16 : 58</u>
Bottom (BO)	<u>23 : 58</u>	<u>16 : 58</u>
End (EN)	:	:

Positional Information

Start	Lat: <u>48</u> ° <u>39</u> ' <u>10</u> N
	Lon: <u>123</u> ° <u>30</u> ' <u>58</u> W
Bottom	Lat: <u>48</u> ° <u>39</u> ' <u>10</u> N
	Lon: <u>123</u> ° <u>30</u> ' <u>59</u> W
Finish	Lat: <u>48</u> ° <u>39</u> ' <u>13</u> N
	Lon: <u>123</u> ° <u>30</u> ' <u>62</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: 2015-17 Station: 59 Event #: 4 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 02 | 04 | 2015

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	NO3	PO4					
1		10	6-5	✓ 228	X	X		X								
2		11	200	✓ 200			X	X								
3		12	175	✓ 175												
4		13	150	✓ 150				X								
5		14	125	✓ 125	XX											
6		15	100	✓ 100		XX		XX								
7		16	75	✓ 75				X								
8		17	50	✓ 50				X								
9		18	40	✓ 40	XX											
10		19	30	✓ 30		XX		XX								
11		20	20	✓ 20				XX	X							
12		21	10	✓ 10				XX	X							
13		22	5	✓ 5					X							
14		23	sfc	✓ .6	X	X		XX	X	XX	XX					
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
 Ros (default) | TrMet/Ros | X-Niskin
 Watchkeeper(s):
PC RS

Bottom Depth: 227 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 03:25 20:25
 Bottom (BO) 07:31 20:31
 End (EN) 03:47 20:47

Positional Information
 Start
 Lat: 48 ° 37 . 81 N
 Lon: 123 ° 14 . 57 W
 Bottom
 Lat: 48 ° 37 . 77 N
 Lon: 123 ° 14 . 53 W
 Finish
 Lat: 48 ° 37 . 69 N
 Lon: 123 ° 14 . 48 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: 2015-17 Station: 102 Event #: 8 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 02 | 04 | 2015

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	PN						
1		24	65	✓ 245	X	X										
2		25	200	✓ 200			X									
3		26	175	✓ 175												
4		27	150	✓ 150		XX										
5		28	125	✓ 125												
6		29	100	✓ 100	XX											
7		30	75	✓ 75												
8		31	50	✓ 50												
9		32	40	✓ 40	XX											
10		33	30	✓ 30		XX										
11		34	20	✓ 20				XX								
12		35	10	✓ 10				XX								
13		36	5	✓ 5												
14		37	ste	✓ 1	X	X		XX	XX	X						
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
 Ros (default) | TrMetlRos | X-Niskin
 Watchkeeper(s):
SH NN/MP

Bottom Depth: 254 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	15:24	:
Bottom (BO)	15:31	:
End (EN)	15:49	:

Positional Information

Lat:	48° 30.010	N
Lon:	124° 43.984	W

▼

Lat:	48° 30.046	N
Lon:	124° 44.020	W

▼

Lat:	48° 30.093	N
Lon:	124° 44.231	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: 2015-17

Station: 75

Event #: 11

Vessel: Vector

UTC Date (dd|mmm|yyyy): 2 | Apr | 2015

[illegible]

Profile type:

Ros (default) | TrMetlRos | X-Niskin

Watchkeeper(s):

50/100/111

Bottom Depth: 229 m

Transmisso Cleaned: ☒ Y / N

Fluorometer Cleaned: Y / N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
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Start (BE)	10:23	:
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Bottom (BO)	18:31	:
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End (EN)	18:50	:
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Positional Information

Lat: 43° 28.201 N

Lon: 124° 32' . 89 W

Start

Bottom

Lat: 48° 23' 14.7" N

Lon: 124° 32.861 W

Finish

Lat: 48° 27' 977" N

Lon: 124 32.816 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: 2015-17

Station: 72

Event #: 15

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 02 | 04 | 2015

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	DC	APC	PW							
1		52	6-5	✓ 182	X	X			X									
2		53	175	✓ 175			X											
3		54	150	✓ 150					XX									
4		55	125	✓ 125	XX													
5		56	100	✓ 100		XX			X									
6		57	75	✓ 75					X									
7		58	50	✓ 50					X									
8		59	40	✓ 40	XX													
9		60	30	✓ 30		XX			XX									
10		61	20	✓ 20				XX	X									
11		62	10	✓ 10				XX	X									
12		63	5	✓ 5					X									
13		64	spe	✓ 0.3	X	X		XX	X	XX	XX							
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 186 m
 Transmisso Cleaned: ☒ Y / ☐ N
 Fluorometer Cleaned: ☐ Y / ☐ N

Time	UTC	Local
Start (BE)	<u>23 :04</u>	<u>16 :04</u>
Bottom (BO)	<u>23 :10</u>	<u>16 :10</u>
End (EN)	<u>23 :25</u>	<u>16 :25</u>

Positional Information

Lat:	<u>48</u> ° <u>18</u> . <u>50</u>	☐ N
Lon:	<u>124</u> ° <u>3</u> . <u>99</u>	☐ W

Start

▼

Lat:	<u>48</u> ° <u>18</u> . <u>54</u>	☐ N
Lon:	<u>124</u> ° <u>3</u> . <u>99</u>	☐ W

Bottom

▼

Lat:	<u>48</u> ° <u>18</u> . <u>59</u>	☐ N
Lon:	<u>124</u> ° <u>4</u> . <u>01</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: 2015-17 Station: 69 Event #: 18 Vessel: VECTOR UTC Date (dd/mmm/yyyy): 03/04/2015

Bottles & Samples			Rosette Operation		Samples Taken (Write sampler's initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	WPLC	CHL							
1		65	6-5	✓ 172	X	X											
2		66	150	✓ 150			X										
3		67	125	✓ 125	XX												
4		68	100	✓ 100		XX											
5		69	75	✓ 75													
6		70	50	✓ 50													
7		71	40	✓ 40													
8		72	30	✓ 30		XX											
9		73	20	✓ 20	XX			XX									
10		74	10	✓ 10				XX									
11		75	5	✓ 5													
12		76	stc	✓ 0.3	X	X		XX	XX	X							
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)	02:10	19:10
Bottom (BO)	02:16	19:16
End (EN)	:	:

Positional Information

Start	Lat: 48° 15' 66" N
	Lon: 123° 43' 21" W
Bottom	Lat: 48° 15' 63" N
	Lon: 123° 43' 20" W
Finish	Lat: 48° 15' 62" N
	Lon: 123° 43' 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: 2015-17

Station: adcp

Event #: 21

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 03 | 04 | 2015

Bottles & Samples			Rosette Operation		Samples Taken (i. write samplers' initials under each sample type)										Comments			
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	MLC	PNY								
1		77	b-5	✓ 115	X	X												
2		78	100	✓ 100			X											
3		79	75	✓ 75														
4		80	50	✓ 50		XX												
5		81	40	✓ 40	XX													
6		82	30	✓ 30														
7		83	20	✓ 20				XX										
8		84	10	✓ 10				XX										
9		85	5	✓ 5														
10		86	SPC	✓ 0.3	XX	XX		XX	XX	XX								
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 119 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>05:34</u>	<u>22:34</u>
Bottom (BO)	<u>05:39</u>	<u>22:39</u>
End (EN)	<u>05:50</u>	<u>22:50</u>

Positional Information

Start	Lat: <u>48</u> ° <u>13</u> . <u>99</u> N
	Lon: <u>123</u> ° <u>17</u> . <u>99</u> W

Bottom

Lat: <u>48</u> ° <u>13</u> . <u>98</u> N
Lon: <u>123</u> ° <u>17</u> . <u>98</u> W

Finish

Lat: <u>48</u> ° <u>14</u> . <u>00</u> N
Lon: <u>123</u> ° <u>18</u> . <u>03</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: 2015 Station: 65 Event #: 25 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 3 APR 2015

Bottles & Samples			Rosette Operation		Samples Taken (J write samplers' initials under each sample type)										Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	NPIC	PAT						
1		87	55	122		X										
2		88	100	100			X									
3		89	75	75												
4		90	50	50												
5		91	40	40		X										
6		92	30	30												
7		93	20	20				XX								
8		94	10	10				XX								
9		95	5	5												
10		96	0	1		X		XX	XX	X						
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
 Ros (default) | TrMetlRos | X-Niskin
 Watchkeeper(s):
SN/NN/mp

Bottom Depth: 124 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 00:47 :
 Bottom (BO) 03:51 :
 End (EN) 09:03 :

Positional Information
 Start
 Lat: 48° 15' .892 N
 Lon: 123° 9' .786 W
 Bottom
 Lat: 48° 15' .900 N
 Lon: 123° 9' .791 W
 Finish
 Lat: 48° 15' .969 N
 Lon: 123° 9' .644 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: 2015-17 Station: 63 Event #: 28 Vessel: Vector UTC Date (dd|mmm|yyyy): 3 APR 2015

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	DC	APLC	PNV							
1		97	6-5	✓ 147	X	X			X									] Same depth.
2		98	150	✓ 147	1		X		XX									
3		99	125	✓ 125	XX				X									
4		100	100	✓ 100					X									
5		101	80	✓ 80					X									
6		102	75	✓ 75		XX												
7		103	50	✓ 50					X									
8		104	40	✓ 40	XX				X									
9		105	30	✓ 30		XX			XX									
10		106	20	✓ 20				XX	X									
11		107	10	✓ 10				XX	X									
12		108	5	✓ 5					X									
13		109	sf		X	X		XX	X	XX	XX							
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
Ros (default) | TrMetRos | X-Niskin
Watchkeeper(s):
SHNN/MP

Bottom Depth: 151 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 10:35 :
Bottom (BO) 10:40 :
End (EN) 10:54 :

Positional Information
Start
Lat: 48° 14.595 N
Lon: 122° 58.507 W
Bottom
Lat: 48° 14.603 N
Lon: 122° 58.456 W
Finish
Lat: 48° 14.612 N
Lon: 122° 58.313 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: 2015-17 Station: 62 Event #: 29 Vessel: Vector UTC Date (dd|mmm|yyyy): 3 | Apr | 2015

Bottles & Samples			Rosette Operation		Samples Taken (i.e. write samplers' initials under each sample type)										Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	PHY	APLC						
1		110	6-5	/ 142	2											
2		111	125	/ 125			X									
3		112	100	/ 100												
4		113	75	/ 75												
5		114	50	/ 51												
6		115	40	/ 40												
7		116	30	/ 30												
8		117	20	/ 20				2								
9		118	10	/ 10				2								
10		119	5	/ 5		2										
11		120	0			1		2	X	2						
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

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

Bottom Depth: 147 m
 Transmisso Cleaned: (Y) N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 11:56 :
 Bottom (BO) 12:00 :
 End (EN) 12:13 :

Positional Information
 Start
 Lat: 48 ° 22 . 806 N
 Lon: 123 ° 2 . 615 W
 Bottom
 Lat: 48 ° 22 . 861 N
 Lon: 123 ° 2 . 603 W
 Finish
 Lat: 48 ° 23 . 040 N
 Lon: 123 ° 2 . 556 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: 2015-17 Station: 56 Event #: 35 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 3 APR 2015

Bottles & Samples			Rosette Operation		Samples Taken (i.e. write samplers' initials under each sample type)										Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HPLC	Phy						
1		121	B-5	✓ 218	X	XX										
2		122	200	✓ 200			X									
3		123	175	✓ 175												
4		124	150	✓ 150												
5		125	125	✓ 125		XX										
6		126	100	✓ 100												
7		127	75	✓ 75												
8		128	50	✓ 50	XX											
9		129	40	✓ 40												
10		130	30	✓ 30												
11		131	20	✓ 20				XX								
12		132	10	✓ 10				XX								
13		133	5	✓ 5												
14		134	0	✓ 0.1				XX	XX	XX						
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

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

Bottom Depth: 224 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 20 :21 13 :21
Bottom (BO) 20 :27 13 :27
End (EN) 20 :42 13 :42

Positional Information
Start
Lat: 48 ° 46 . 38 N
Lon: 123 ° 1 . 51 W
Bottom
Lat: 48 ° 46 . 37 N
Lon: 123 ° 1 . 45 W
Finish
Lat: 48 ° 46 . 39 N
Lon: 123 ° 1 . 48 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: 2015-17 Station: 46 Event #: 42 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 04 | APR | 2015

Bottles & Samples			Rosette Operation		Samples Taken (i.e. write samplers' initials under each sample type)										Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HR	PC						
1		135	6-5	✓ 172	X	X										
2		136	150	✓ 150			X									
3		137	125	✓ 125												
4		138	100	✓ 100	XX											
5		139	75	✓ 75		XX										
6		140	50	✓ 50												
7		141	40	✓ 40		XX										
8		142	30	✓ 30	XX											
9		143	20	✓ 20				XX								
10		144	10	✓ 10				XX								
11		145	5	✓ 5												
12		146	SEC	✓ 0.1	X	X		XX	XX	X						
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

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

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

Time	UTC	Local
Start (BE)	01 : 33	18 : 33
Bottom (BO)	01 : 37	18 : 37
End (EN)	01 : 52	18 : 52

Positional Information

Lat:	<u>48</u> ° <u>51</u> . <u>39</u> N
Lon:	<u>123</u> ° <u>10</u> . <u>73</u> W

Start

Bottom

Finish

Lat:	<u>48</u> ° <u>51</u> . <u>40</u> N
Lon:	<u>123</u> ° <u>10</u> . <u>78</u> W

Lat:	<u>48</u> ° <u>51</u> . <u>41</u> N
Lon:	<u>123</u> ° <u>10</u> . <u>80</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: 2015-17 Station: 42 Event #: 46 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 03 | APR | 2015

Bottles & Samples			Rosette Operation		Samples Taken (J. write samplers' initials under each sample type)										Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	DOC	NPAC	POC					
1		147	6-5	✓ 313	X	X			X							
2		148	300	✓ 300			X									
3		149	250	✓ 250					X							
4		150	200	✓ 200					X							
5		151	175	✓ 175	XX											
6		152	150	✓ 150		XX			X							
7		153	125	✓ 125					XX							
8		154	100	✓ 100					X							
9		155	75	✓ 75					X							
10		156	50	✓ 50	XX				X							
11		157	40	✓ 40		XX			X							
12		158	30	✓ 30					X							
13		159	20	✓ 20				XX	XX							
14		160	10	✓ 10				XX	X							
15		161	5	✓ 5					X							
16		162	SP	✓ .2	X	X		XX	X	XX	XX					
17																
18																
19																
20																
21																
22																
23																
24																

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

Bottom Depth: _____ m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 05 :50 22:50
 Bottom (BO) 06 :00 23:00
 End (EN) 06 :18 23:18

Positional Information
 Start
 Lat: 49 ° 1 . 78 N
 Lon: 123 ° 26 . 20 W
 Bottom
 Lat: 49 ° 1 . 82 N
 Lon: 123 ° 26 . 25 W
 Finish
 Lat: 49 ° 1 . 81 N
 Lon: 123 ° 26 . 18 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: 2015-17 Station: 39 Event #: 52 Vessel: Vector UTC Date (dd|mmm|yyyy): 4 | Apr | 2015

Bottles & Samples			Rosette Operation		Samples Taken (i.e. write samplers' initials under each sample type)										Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HPCC	PHY						
1		163	65	374												
2		164	350	350			X									
3		165	300	300	2											
4		166	250	200		2										
5		167	200	200												
6		168	175	174												
7		169	150	150												
8		170	125	125												
9		171	100	100	2											
10		172	75	75												
11		173	50	50												
12		174	40	40		2										
13		175	30	30												
14		176	20	20				2								
15		177	10	10				2								
16		178	5	5												
17		179	0	1				2	2	X						
18																
19																
20																
21																
22																
23																
24																

Profile type:
 Ros (default) | TrMetlRos | X-Niskin
 Watchkeeper(s):
80

Bottom Depth: 378 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	11:04	:
Bottom (BO)	11:13	:
End (EN)	11:34	:

Positional Information

Lat:	49° 9.809	N
Lon:	123° 33.093	W

Start

▼

Lat:	49° 9.937	N
Lon:	123° 33.119	W

Bottom

▼

Lat:	49° 10.288	N
Lon:	123° 33.058	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: 2015-77 Station: 27 Event #: 58 Vessel: Vector UTC Date (dd|mmm|yyyy): 4 | Apr | 2015

Bottles & Samples			Rosette Operation		Samples Taken (L write samplers' initials under each sample type)										Comments		
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	PHYC	PHY	DIC						
1		181	6-5	✓ 348							X						
2		182	300	✓			X				X						
3		183	250	✓							2						
4		184	200	✓		2					X						
5		185	175	✓ 174							X						
6		186	150	✓													
7		187	125	✓		2											
8		188	100	✓													
9		189	75	✓													
10		190	50	✓	2						2						
11		191	40	✓													
12		192	30	✓													
13		193	20	✓	2			2									
14		194	10	✓				2									
15		195	5	✓													
16		196	0	✓ 0.7				2	2	2							
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
 Ros (default) | TrMetlRos | X-Niskin
 Watchkeeper(s):
SR/N2

Bottom Depth: 358 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>16 : 00</u>	<u>09 : 00</u>
Bottom (BO)	<u>16 : 08</u>	<u>09 : 08</u>
End (EN)	<u>:</u>	<u>:</u>

Positional Information

Lat:	<u>49 ° 19 . 141</u>	<u>N</u>
Lon:	<u>123 ° 47 . 98</u>	<u>W</u>

Start

▼

Lat:	<u>49 ° 19 . 21</u>	<u>N</u>
Lon:	<u>123 ° 47 . 98</u>	<u>W</u>

Bottom

▼

Lat:	<u>49 ° 19 . 45</u>	<u>N</u>
Lon:	<u>123 ° 47 . 929</u>	<u>W</u>

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: 2015-17 Station: 2 Event #: 63 Vessel: Vector UTC Date (dd|mmm|yyyy): 4 | Apr | 2015

Bottles & Samples			Rosette Operation		Samples Taken (I write samplers' initials under each sample type)										Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	phy	HA						
1		197	6-5	✓ 270												
2		198	250	✓ 250			X									
3		199	200	✓ 200												
4		200	175	✓ 175		2										
5		201	150	✓ 150												
6		202	125	✓ 125												
7		203	100	✓ 100												
8		204	75	✓ 75	2											
9		205	50	✓ 50		2										
10		206	40	✓ 40												
11		207	30	✓ 30												
12		208	20	✓ 20				2								
13		209	10	✓ 10	2			2								
14		210	5	✓ 5	1											
15		211	0	✓ 0.1				2	2	2						
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
 Ros (default) | TrMetRos | X-Niskin
 Watchkeeper(s):
PC RS

Bottom Depth: 274 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	20 : 48	13 : 48
Bottom (BO)	20 : 56	13 : 56
End (EN)	21 : 12	14 : 12

Positional Information

Lat:	49 ° 24 . 11	N
Lon:	124 ° 9 . 36	W

Start

Bottom

Finish

Lat:	49 ° 24 . 11	N
Lon:	124 ° 9 . 35	W

Lat:	49 ° 24 . 10	N
Lon:	124 ° 9 . 31	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: 2015-17 Station: 3 Event #: 68 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 05 | APR | 2015

Bottles & Samples			Rosette Operation		Samples Taken (I write samplers' initials under each sample type)										Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	WAC	PAY						
1		212	6-5	✓ 316		X										
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		XX										
11		222	40	✓ 40												
12		223	30	✓ 30												
13		224	20	✓ 20				XX								
14		225	10	✓ 10				XX								
15		226	5	✓ 5												
16		227	STC	✓ 0.6		X		XX	XX	X						
17																
18																
19																
20																
21																
22																
23																
24																

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

Bottom Depth: 324 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	00 : 49	17 : 49
Bottom (BO)	00 : 56	17 : 56
End (EN)	01 : 14	18 : 14

Positional Information

Lat:	49 ° 26 . 61	N
Lon:	124 ° 20 . 21	W

Start

▼

Lat:	49 ° 26 . 63	N
Lon:	124 ° 20 . 16	W

Bottom

▼

Lat:	49 ° 26 . 61	N
Lon:	124 ° 20 . 18	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: 2015-17 Station: BS17 Event #: 70 Vessel: VECTOR UTC Date (dd|mmm|yyyy): | |

[illegible]

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

Bottom Depth: <u>60</u> m		
Transmisso Cleaned: Y / N		
Fluorometer Cleaned: Y / N		
<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start (BE)	03 : 20	20 : 20
Bottom (BO)	03 : 23	20 : 23
End (EN)	03 : 30	20 : 30

Positional Information		
Start	Lat: 49 ° 28 . 98	N
	Lon: 124 ° 46 . 01	W
▼		
Bottom	Lat: 49 ° 28 . 98	N
	Lon: 124 ° 46 . 00	W
▼		
Finish	Lat: 49 ° 28 . 98	N
	Lon: 124 ° 45 . 99	W

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

Version: 14 February 2013 Transmissometer and Fluorometer are to be cleaned before each cast -- do not use Ammonia products

Standards for Sample Collection: WaterProperties.ca/standards

12 21 hours
0900

1000 Sunday

8.6 mm
8.5
15.1

10 cypar 8.5
5 Ros 2.5
3 nets 1.5
6.5

Bayes	49	28.8	124 45.8
BS17		29.0	46.0

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-17 Station: 6 Event #: 73 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 05 | APR | 2015

[illegible]

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

Bottom Depth: <u>192</u> m		
Transmisso Cleaned: <u>Y</u> / N		
Fluorometer Cleaned: Y / N		
<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start (BE)	05 : 59	22 : 59
Bottom (BO)	06 : 04	23 : 04
End (EN)	06 : 17	23 : 17

Positional Information			
Start	Lat:	49 ° 30 . 63	N
	Lon:	124 ° 27 . 78	W
▼			
Bottom	Lat:	49 ° 30 . 63	N
	Lon:	124 ° 27 . 80	W
▼			
Finish	Lat:	49 ° 30 . 60	N
	Lon:	124 ° 27 . 74	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: 2015-17 Station: 9 Event #: 76 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 05 | APR | 2015

Bottles & Samples			Rosette Operation		Samples Taken (i.e. write samplers' initials under each sample type)										Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	MP	PNY						
1		249	6-5	163		X										
2		250	150	150			X									
3		251	125	125		XX										
4		252	100	100												
5		253	75	75												
6		254	50	50												
7		255	40	40		XX										
8		256	30	30												
9		257	20	20				XX								
10		258	10	10				XX								
11		259	5	5												
12		260	SPe	1		X		XX	XX	X						
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
 Ros (default) | TrMetRos | X-Niskin
 Watchkeeper(s):
8M/N2/MP

Bottom Depth: 167 m
 Transmisso Cleaned: Y N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>08:54</u>	:
Bottom (BO)	<u>09:59</u>	:
End (EN)	<u>09:41</u>	:

Positional Information

Start	Lat: <u>49° 35.504</u> N
	Lon: <u>124° 38.280</u> W

Bottom

Lat: <u>49° 35.492</u> N
Lon: <u>124° 38.283</u> W

Finish

Lat: <u>49° 35.438</u> N
Lon: <u>124° 38.240</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: 2015-17 Station: 12 Event #: 81 Vessel: Vector UTC Date (dd|mmm|yyyy): 5 | Apr | 2015

Bottles & Samples			Rosette Operation		Samples Taken (↓ write sampler's initials under each sample type)										Comments				
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	DK	PHY	HPLC								
1		261	55	350	1				X										
2		262	300	300	2		X												
3		263	250	250					X										
4		264	200	200					X										
5		265	175	175		2													
6		266	150	150					(X)										Not enough bottles for DIC dupl
7		267	125	125					X										
8		268	100	100					X										
9		269	75	75		2			X										
10		270	50	50					2										
11		271	40	40	2				X										
12		272	30	30					X										
13		273	20	20				2	X										
14		274	10	10				2	X										
15		275	5	5					X										
16		276	0	1				2	X	2	2								
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):
SR/N2/MP

Bottom Depth: 355 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	11:29	:
Bottom (BO)	11:37	:
End (EN)	11:57	:

Positional Information

Start	Lat: 49° 43.598 N
	Lon: 124° 40.836 W

Start

Bottom	Lat: 49° 43.610 N
	Lon: 124° 40.926 W

Bottom

Finish	Lat: 49° 43.692 N
	Lon: 124° 41.116 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: 201517

Station: 14

Event #: 83

Vessel: Vector

UTC Date (dd/mmm/yyyy): 5 Apr 2015

Bottles & Samples			Rosette Operation		Samples Taken (Write sampler's initials under each sample type)										Comments		
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HPLC	PHY							
1	1	277	5-5	✓ 310	2	1											
2	3	278	200	✓			X										
3	4	279	175	✓		2											
4	5	280	150	✓ 149		1											
5	6	281	125	✓													
6	7	282	100	✓													
7	8	283	75	✓													
8	9	284	50	✓													
9	10	285	40	✓													
10	11	286	30	✓													
11	12	287	20	✓	2			2									
12	13	288	10	✓	1			2									
13	14	289	5	✓													
14	15	290	0	✓	1	2		2	2	2							
15	2	291	250	✓	1	1											
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

-initially forgot this depth for labels.

Profile type:
 Ros (default) | TrMetlRos | X-Niskin
 Watchkeeper(s):
SR/W²

Bottom Depth: 315 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	14 : 34	07 : 34
Bottom (BO)	14 : 40	07 : 40
End (EN)	14 : 58	07 : 58

Positional Information

Lat:	49 ° 52 . 95	N
Lon:	124 ° 59 . 64	W

Start

Bottom

Finish

Lat:	49 ° 52 . 98	N
Lon:	124 ° 59 . 64	W

Lat:	49 ° 52 . 99	N
Lon:	124 ° 59 . 72	W

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

- initially forgot this depth for labels.

50 2
125 13.6

72

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-12 Station: 16 Event #: 85 Vessel: Vector

UTC Date (dd/mmm/yyyy): 5 Apr 2015

Bottles & Samples			Rosette Operation		Samples Taken (i.e. write samplers' initials under each sample type)												Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HPLC	PM								
1	292	291	65	✓ 153	1													* Sample ID 291 was added to previous cast, bumping #s up by one. All labels corrected.
2	293	292	125	✓ 125			X											
3	294	293	100	✓ 100														
4	295	294	75	✓ 75		2												
5	296	295	50	✓ 51														
6	297	296	40	✓ 40														
7	298	297	30	✓ 30														
8	299	298	20	✓ 20				2										
9	300	299	10	✓ 10	2			2										
10	301	300	5	✓ 5	1													
11	302	301	0	✓ 1	1			2	2	X								
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):
SM/N2/MP

Bottom Depth: 150 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 16:40 09:40
Bottom (BO) 16:44 09:44
End (EN) 16:58 09:58

Positional Information
Start
Lat: 49° 57.73 N
Lon: 125° 8.83 W
Bottom
Lat: 49° 57.71 N
Lon: 125° 8.80 W
Finish
Lat: 49° 57.68 N
Lon: 125° 8.80 W

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