

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-10 Station: SI Event #: 1 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 22 | SEP | 2016

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	DIC									
1		1	100	✓ 100	X	X													
2		2	75	✓ 75			X			X									
3		3	50	✓ 50															
4		4	40	✓ 40															
5		5	30	✓ 30	XX														
6		6	20	✓ 20		XX		XX											
7		7	10	✓ 10				XX											
8		8	5	✓ 5															
9		9	ste	✓ 1.0	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):
PC

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

Time	UTC	Local
Start (BE)	23:59	16:59
Bottom (BO)	24:02	17:02
End (EN)	24:10	17:10

Positional Information

Lat:	48° 39.11	N
Lon:	123° 30.01	W

Start

▼

Lat:	48° 39.11	N
Lon:	123° 29.99	W

Bottom

▼

Lat:	48° 39.12	N
Lon:	123° 30.03	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: 2016-10 Station: 56 Event #: 5 Vessel: NECTAR UTC Date (dd|mmm|yyyy): 23 | SEP | 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	NPIC	PNYD	PACT							
1		10	6.5	✓ 205	X	X												
2		11	200	✓ 200			X											
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				XX										
12		21	10	✓ 10				XX										
13		22	5	✓ 5														
14		23	ste	✓ 1.5	X	X		XX	XX	X								
15		24	ste	✓ 1.5							XXX							
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 287 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	03 :54	20 :54
Bottom (BO)	07 :59	20 :59
End (EN)	04 :11	21 :11

Positional Information

Lat:	48 ° 46 . 45	N
Lon:	123 ° 1 . 60	W

Bottom

Lat:	48 ° 46 . 48	N
Lon:	123 ° 1 . 52	W

Finish

Lat:	48 ° 46 . 51	N
Lon:	123 ° 1 . 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: 2016-10 Station: 22 Event #: 6 Vessel: Vector UTC Date (dd|mmm|yyyy): 23 | Sep | 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	HPLC									
1		25	20			/		✓										
2		26	10			/		✓										
3		27	Surf			/		✓	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: 355 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	12:11	05:11
Bottom (BO)	12:18	:
End (EN)	12:27	:

Positional Information

Lat:	49° 40.20	N
Lon:	124° 16.28	W

Start

Lat:	49° 40.20	N
Lon:	124° 16.33	W

Bottom

Lat:	49° 40.21	N
Lon:	124° 16.31	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: 2016-10 Station: 16 Event #: 12 Vessel: Vector UTC Date (dd|mmm|yyyy): 23 | SEP | 2016

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	Part								
1		28	6-5	✓ 153	X													Did not release
2		29	125	✓ 125			X											
3		30	100	✓ 100	✓	XX												
4		31	75	✓ 75	XX													
5		32	50	✓ 50														
6		33	40	✓ 40														
7		34	30	✓ 30														
8		35	20	✓ 20		XX		XX										
9		36	10	✓ 10	XX			XX										
10		37	5	✓ 5														
11		38	surf	✓ 1.8	↓	↓		XX	XX									
12		39	stc	✓ 1.8						XXX								
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 157 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	20:38	13:38
Bottom (BO)	20:41	13:41
End (EN)	:	:

Positional Information

Lat:	49° 57.69	N
Lon:	125° 8.83	W

Start

▼

Lat:	49° 57.69	N
Lon:	125° 8.85	W

Bottom

▼

Lat:	49° 57.70	N
Lon:	125° 8.86	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: 2016-10 Station: 14 Event #: 17 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 23 | SEP | 2016

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	PAR	PAR2							
1		40	6-5	✓ 305	X	X												
2		41	250	✓ 250	1	1	X											
3		42	200	✓ 200	1	1												
4		43	175	✓ 175	XX	1												
5		44	150	✓ 150	1	1												
6		45	125	✓ 125	1	XX												
7		46	100	✓ 100	1	1												
8		47	75	✓ 75	1	1												
9		48	50	✓ 50	1	1												
10		49	40	✓ 40	1	XX												
11		50	30	✓ 30	XX	1												
12		51	20	✓ 20	1	1		XX										
13		52	10	✓ 10	1	1		XX										
14		53	5	✓ 5	1	1												
15		54	SA	✓ 2.4	X	X		XX	XX	X								
16		55	SA	✓ 2.4							XXX							
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

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

Time	UTC	Local
Start (BE)	22 : 34	15 : 34
Bottom (BO)	22 : 43	15 : 43
End (EN)	22 : 58	15 : 58

Positional Information

Lat:	49 ° 53 . 04	N
Lon:	124 ° 59 . 64	W

Start

▼

Lat:	49 ° 53 . 03	N
Lon:	124 ° 59 . 64	W

Bottom

▼

Lat:	49 ° 53 . 01	N
Lon:	124 ° 59 . 48	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: 2016-10 Station: 12 Event #: 22 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 24 | SEP | 2016

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	PACT	DIC	PWITC						
1		56	6-5	✓ 351	X	X					X							
2		57	300	✓ 300			X											
3		58	250	✓ 250							X							
4		59	200	✓ 200		XX					X							
5		60	175	✓ 175	XX													
6		61	150	✓ 150							XX							
7		62	125	✓ 125							X							
8		63	100	✓ 100							X							
9		64	75	✓ 75							X							
10		65	50	✓ 50		XX					XX							
11		66	40	✓ 40							X							
12		67	30	✓ 30	XX						X							
13		68	20	✓ 20				XX			X							
14		69	10	✓ 10				XX			X							
15		70	5	✓ 5							X							
16		71	SPC	✓ 1.7	X	X		XX	XX		X	X						
17		72	SPC	✓ 1.7						XXX								
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 357 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	02 :34	19 :39
Bottom (BO)	02 :40	19 :40
End (EN)	:	:

Positional Information

Lat:	49 ° 43 . 60	N
Lon:	124 ° 40 . 88	W

Start

▼

Lat:	49 ° 43 . 60	N
Lon:	124 ° 40 . 87	W

Bottom

▼

Lat:	49 ° .	N
Lon:	124 ° .	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: 2016-10 Station: 9 Event #: 24 Vessel: NEPTON UTC Date (dd|mmm|yyyy): 24 | SEP | 2016

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	PART								
1		73	6-5	✓ 165		X												
2		74	150	✓ 150			X											
3		75	125	✓ 125														
4		76	100	✓ 100														
5		77	75	✓ 75		XX												
6		78	50	✓ 50														
7		79	40	✓ 40														
8		80	30	✓ 30														
9		81	20	✓ 20		XX		XX										
10		82	10	✓ 10				XX										
11		83	5	✓ 5														
12		84	sfc	✓ 1.8		X		XX	XX									
13		85	sfc	✓ 1.8						XXX								
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 165 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>04 : 36</u>	<u>21 : 36</u>
Bottom (BO)	<u>04 : 39</u>	<u>21 : 49</u>
End (EN)	<u>04 : 48</u>	<u>21 : 48</u>

Positional Information

Lat:	<u>49 ° 35.53</u>	N
Lon:	<u>124 ° 38.31</u>	W

Start

▼

Lat:	<u>49 ° 35.52</u>	N
Lon:	<u>124 ° 38.32</u>	W

Bottom

▼

Lat:	<u>49 ° 35.51</u>	N
Lon:	<u>124 ° 38.32</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: 2016-10 Station: BS17 Event #: 26 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 24 | SEP | 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	PAR	DIC							
1		86	6-5	✓ 57	X	X				X							
2		87	50	✓ 50			X			X							
3		88	40	✓ 40						XX							
4		89	30	✓ 30	XX					X							
5		90	20	✓ 20		XX		XX		X							
6		91	10	✓ 10				XX		XX							
7		92	5	✓ 5						X							-Chl drawn by accident
8		93	sfc	✓ 1.7	X	X		XX	XX	X							between DIC
9		94	sfc	✓ 1.7						XXX							deeps
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
 Ros (default) | TrMetiRos | X-Niskin
 Watchkeeper(s):
R XS JW

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

Time	UTC	Local
Start (BE)	06:40	23:40
Bottom (BO)	06:47	23:47
End (EN)	06:49	23:49

Positional Information

Start	Lat: 49° 29.03' N
	Lon: 124° 46.01' W

Bottom

Lat: 49° 29.03' N
Lon: 124° 45.99' W

Finish

Lat: 49° 29.03' N
Lon: 124° 45.98' 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: 2016-10

Station: 6

Event #: 29

Vessel: Vector

UTC Date (dd|mmm|yyyy): 24|Sep|2016

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	PART								
1		95	8-5	✓	189													
2		96	125	✓			X											
3		97	150	✓		XX												
4		98	125	✓		XX												
5		99	100	✓														
6		100	75	✓														
7		101	50	✓														
8		102	40	✓														
9		103	30	✓		XX												
10		104	20	✓		XX		XX										
11		105	10	✓				XX										
12		106	5	✓		↓												
13		107	surf	✓		↓		XX	XX									
14		108	surf	✓						XXX								
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 192 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 08:57 01:57
 Bottom (BO) 09:02 :
 End (EN) : :

Positional Information
 Start
 Lat: 49°30.61 N
 Lon: 124°27.81 W
 Bottom
 Lat: 49°30.62 N
 Lon: 124°27.80 W
 Finish
 Lat: 49°30. N
 Lon: 124°27. 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: 2016-10 Station: 3 Event #: 31 Vessel: Vector UTC Date (dd|mmm|yyyy): 24 | Sep | 2016

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	part									
1		109	B-5	✓	317														
2		110	300	✓				X											
3		111	250	✓															
4		112	200	✓															
5		113	175	✓															
6		114	150	✓			xx												
7		115	125	✓															
8		116	100	✓															
9		117	75	✓															
10		118	50	✓															
11		119	40	✓															
12		120	30	✓														#12 didn't trip	
13		121	20	✓			xx		xx										
14		122	10	✓					xx										
15		123	5	✓															
16		124	surf	✓			↓		xx	xx									
17		125	surf	✓							xxx								
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

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

Time	UTC	Local
Start (BE)	<u>11:06</u>	<u>04:06</u>
Bottom (BO)	<u>11:13</u>	:
End (EN)	<u>11:32</u>	:

Positional Information

Lat:	<u>49° 26.60</u>	<u>N</u>
Lon:	<u>124° 20.16</u>	<u>W</u>

Start

▼

Lat:	<u>49° 26.60</u>	<u>N</u>
Lon:	<u>124° 20.15</u>	<u>W</u>

Bottom

▼

Lat:	<u>49° 26.60</u>	<u>N</u>
Lon:	<u>124° 20.15</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: 2016-10 Station: CPF1 Event #: 35 Vessel: Vector UTC Date (dd|mmm|yyyy): 24|Sep|2016

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	LC								
1		126	20			X		XX										
2		127	10			XX		XX										
3		128	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: 242 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	14:13	07:13
Bottom (BO)	14:17	:
End (EN)	14:24	:

Positional Information

Lat:	49° 21.98	N
Lon:	124° 5.08	W

▼

Lat:	49° 21.98	N
Lon:	124° 5.07	W

▼

Lat:	49° 21.98	N
Lon:	124° 5.04	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: 2016-10

Station: 2

Event #: 36

Vessel: Vector

UTC Date (dd|mmm|yyyy): 24 | Sep | 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	PAR	Part								
1		129	255	✓ 213	↓	↓												
2		130	250	✓	↓	↓	X											
3		131	200	✓	↓	↓												
4		132	175	✓	↓	↓												
5		133	150	✓	XX	↓												
6		134	125	✓	↓	XX												
7		135	100	✓	↓	↓												
8		136	75	✓	↓	↓												
9		137	50	✓	↓	↓												
10		138	40	✓	↓	↓												
11		139	30	✓	XX	↓												
12		140	20	✓	↓	XX		XX										
13		141	10	✓	↓	↓		XX										
14		142	5	✓	↓	↓												
15		143	Surf	✓	↓	↓		XX										
16		144	Surf	✓						XXX								
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 279 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>14:54</u>	<u>07:54</u>
Bottom (BO)	<u>15:00</u>	:
End (EN)	<u>15:16</u>	:

Positional Information

Lat:	<u>49° 24.13</u>	N
Lon:	<u>124° 9.29</u>	W

Start

▼

Lat:	<u>49° 24.15</u>	N
Lon:	<u>124° 9.33</u>	W

Bottom

▼

Lat:	<u>49° 24.13</u>	N
Lon:	<u>124° 9.34</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: 2016-10 Station: 24 Event #: 38 Vessel: Vector UTC Date (dd|mmm|yyyy): 24|Sep|2016

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	WPLC								
1		145	20	✓		XX		XX									
2		146	10	✓		X		XX									
3		147	surf	✓		X		XX	XX								On Event 39
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) | TrMetiRos | X-Niskin
Watchkeeper(s):
SR

Bottom Depth: 427 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	16:32	09:32
Bottom (BO)	16:39	:
End (EN)	16:49	:

Positional Information

Lat:	49° 30.31	N
Lon:	124° 6.04	W

Start

▼

Lat:	49° 30.33	N
Lon:	124° 6.05	W

Bottom

▼

Lat:	49° 30.34	N
Lon:	124° 6.12	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: 2016-10 Station: 28 Event #: 42 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 24 | Sep | 2016

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		165	20	✓ 20				XX										no water went left open
2		166	10	✓ 10				XX										
3		167	sfc	✓ 2.0				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):
PC RS JW

Bottom Depth: 133 m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	19 :19	12 :19
Bottom (BO)	19 :22	12 :22
End (EN)	19 :26	12 :26

Positional Information

Start

Lat: 49 ° 24 . 17 N

Lon: 123 ° 45 . 31 W

Bottom

Lat: 49 ° 24 . 18 N

Lon: 123 ° 45 . 31 W

Finish

Lat: 49 ° 24 . 19 N

Lon: 123 ° 45 . 32 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: 2016-10 Station: 27 Event #: 44 Vessel: Vector UTC Date (dd|mmm|yyyy): 24 | Sep | 2016

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	PART	Phyto	DIC					
1		148	B-5	✓ 343			X										
2		149	300	✓ 300													
3		150	250	✓ 250								XX					
4		151	200	✓ 200		XX											
5		152	175	✓ 175	XX												
6		153	150	✓ 150								XX					
7		154	125	✓ 125													
8		155	100	✓ 100													
9		156	75	✓ 75													
10		157	50	✓ 50													
11		158	40	✓ 40													
12		159	30	✓ 30													
13		160	20	✓ 20	XX			XX				XX					
14		161	10	✓ 10		XX		XX									
15		162	5	✓ 5	↓	↓						↓					
16		163	Surf	✓ 1.8	↓	↓		XX	XX		X	↓					
17		164	Surf	✓ 1.8						XXX							
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 347 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	20 :22	13 :22
Bottom (BO)	20 :29	13 :29
End (EN)	20 :44	13 :44

Positional Information

Lat:	49 ° 19 . 13	N
Lon:	123 ° 48 . 06	W

Start

▼

Lat:	49 ° 19 . 16	N
Lon:	123 ° 48 . 02	W

Bottom

▼

Lat:	49 ° 19 . 17	N
Lon:	123 ° 48 . 01	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: 2016-10 Station: G601 Event #: 47 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 24 | SEP | 2016

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		168	20	✓	20				XX									
2		169	10	✓	10				XX									
3		170	3fc	✓	1.9				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):
R KS JW

Bottom Depth: 404 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	22:38	15:30
Bottom (BO)	22:45	15:45
End (EN)	22:53	15:53

Positional Information

Lat:	49° 15.03	N
Lon:	123° 44.93	W

Bottom

Lat:	49° 14.99	N
Lon:	123° 44.83	W

Finish

Lat:	49° 15.00	N
Lon:	123° 44.70	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: 2016-10 Station: 39 Event #: 51 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 25 | SEP | 2016

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	HAC	PAR								
1		171	5-5	✓ 371	X	X												
2		172	5-5	✓ 371						XXX								
3		173	350	✓ 350	X	X	X											
4		174	300	✓ 300														
5		175	250	✓ 250														
6		176	200	✓ 200	X X													
7		177	175	✓ 175		XX												
8		178	150	✓ 150														
9		179	125	✓ 125														
10		180	100	✓ 100	X	X												
11		181	100	✓ 100						XXX								
12		182	75	✓ 75	X	X												
13		183	50	✓ 50	X	X												
14		184	50	✓ 50						XXX								
15		185	40	✓ 40	X	XX												
16		186	30	✓ 30	XX	X												
17		187	20	✓ 20	X	X		XX										
18		188	20	✓ 20						XXY								
19		189	10	✓ 10	X	X		XX										
20		190	5	✓ 5	X	X												
21		191	sfc	✓ 2.2	X	X		XX	XX									
22		192	sfc	✓ 2.2						XXX								
23																		
24																		

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

Bottom Depth: 366 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>01:11</u>	<u>18:11</u>
Bottom (BO)	<u>01:17</u>	<u>18:17</u>
End (EN)	<u>01:34</u>	<u>18:34</u>

Positional Information

Lat:	<u>49° 09.81</u>	N
Lon:	<u>123° 33.01</u>	W

Start

▼

Lat:	<u>49° 09.83</u>	N
Lon:	<u>123° 32.97</u>	W

Bottom

▼

Lat:	<u>49° 09.87</u>	N
Lon:	<u>123° 32.85</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: 2016-10 Station: 42 Event #: 58 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 25 | SEP | 2016

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	19PC	PAR	DIC	PAR10					
1		193	6-5	✓ 317	X	X					X						
2		194	300	✓ 300			X										
3		195	250	✓ 250							X						
4		196	200	✓ 200		XX					X						
5		197	175	✓ 175													
6		198	150	✓ 150							X						
7		199	125	✓ 125	XX						XX						
8		200	100	✓ 100							X						
9		201	75	✓ 75							X						
10		202	50	✓ 50							X						
11		203	40	✓ 40		XX					X						
12		204	30	✓ 30	XX						X						
13		205	20	✓ 20				XX			XX						
14		206	10	✓ 10				XX			X						
15		207	5	✓ 5							X						
16		208	sfc	✓ 2.0	X	X		XX	XX		X	X					
17		209	sfc	✓ 2.0						XXX							
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

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

Time	UTC	Local
Start (BE)	05:55	22:55
Bottom (BO)	06:00	23:00
End (EN)	06:15	23:15

Positional Information

Lat:	49 ° 1.80	N
Lon:	123 ° 26.22	W

Start

▼

Lat:	49 ° 1.75	N
Lon:	123 ° 26.14	W

Bottom

▼

Lat:	49 ° 1.81	N
Lon:	123 ° 26.05	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: 2016-10 Station: 46 Event #: 63 Vessel: Vector UTC Date (dd|mmm|yyyy): 25 | Sep | 2016

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	Part								
1		210	85	✓ 175			X											
2		211	150	✓														
3		212	125	✓	XX													
4		213	100	✓														
5		214	75	✓														
6		215	50	✓														
7		216	40	✓		XX												
8		217	30	✓	XX													
9		218	20	✓				XX										
10		219	10	✓		XX		XX										
11		220	5	✓														
12		221	surf	✓	↓	↓		XX	XX									
13		222	surf	✓						XXX								
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 178 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	10:23	03:23
Bottom (BO)	10:27	:
End (EN)	10:40	:

Positional Information
Start
Lat: 48° 51.40 N
Lon: 123° 10.78 W

Bottom
Lat: 48° 51.39 N
Lon: 123° 10.78 W

Finish
Lat: 48° 51.40 N
Lon: 123° 10.79 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: 2016-10 Station: 62 Event #: 74 Vessel: Vector UTC Date (dd/mmm/yyyy): 25 Sep 2016

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	PAR								
1		223	B-5	✓ 146	X	X												
2		224	125	✓ 125	XX		X											
3		225	100	✓ 100														
4		226	75	✓ 75														
5		227	50	✓ 50														
6		228	40	✓ 40		XX												
7		229	30	✓ 30														
8		230	20	✓ 20				XX										
9		231	10	✓ 10				XX										
10		232	5	✓ 5		XX												
11		233	Surf	✓ 2.2	XX	+		XX	XX									
12		234	Surf	✓ 2.2						XXX								
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 147 m
 Transmisso Cleaned: (Y) N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>20:10</u>	<u>13:10</u>
Bottom (BO)	<u>20:14</u>	<u>13:14</u>
End (EN)	<u>20:23</u>	<u>13:23</u>

Positional Information

Start	Lat: <u>48° 22.84</u> N
	Lon: <u>123° 2.63</u> W

Bottom

Lat: <u>48° 22.84</u> N
Lon: <u>123° 2.64</u> W

Finish

Lat: <u>48° 22.86</u> N
Lon: <u>123° 2.65</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: 2016-10

Station: 63

Event #: 75

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 25 | SEP | 2016

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	NP	PHYTO								
1		235	20	✓ 20				XX										
2		236	10	✓ 10				XX										
3		237	SFC	✓ 1.9				XX	XX	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):
RS JW

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

Time	UTC	Local
Start (BE)	<u>21 :21</u>	<u>14 :21</u>
Bottom (BO)	<u>21 :23</u>	<u>14 :23</u>
End (EN)	<u>:</u>	<u>:</u>

Positional Information

Lat:	<u>48° 14.61</u>	<u>N</u>
Lon:	<u>122° 58.53</u>	<u>W</u>

Start

▼

Lat:	<u>48° 14.60</u>	<u>N</u>
Lon:	<u>122° 58.54</u>	<u>W</u>

Bottom

▼

Lat:	<u>48° 14.60</u>	<u>N</u>
Lon:	<u>122° 58.53</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: 2016-10 Station: 65 Event #: 78 Vessel: NECTAR UTC Date (dd|mmm|yyyy): 25 | Sep | 2016

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	PAR								
1		238	6-5	✓ 120		X												
2		239	100	✓ 100			X											
3		240	75	✓ 75														
4		241	50	✓ 50		XX												
5		242	40	✓ 40														
6		243	30	✓ 30														
7		244	20	✓ 20				XX										
8		245	10	✓ 10				XX										
9		246	5	✓ 5														
10		247	sfc	✓ 1.9		X		XX	XX									
11		248	sfc	✓ 1.9						XXX								
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

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

Time	UTC	Local
Start (BE)	22:51	15:54
Bottom (BO)	22:55	15:55
End (EN)	23:05	16:05

Positional Information

Lat:	48° 15.93	N
Lon:	123° 9.85	W

Start

Lat:	48° 15.94	N
Lon:	123° 9.84	W

Bottom

Lat:	48° 15.94	N
Lon:	123° 9.84	W

Finish

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

14

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-10

Station: adcp

Event #: 82

Vessel: Vector

UTC Date (dd|mmm|yyyy): 26 | SEP | 2016

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	part							
1		249	6-5	✓	116	X	X											
2		250	100	✓	100			X										
3		251	75	✓	75													
4		252	50	✓	50			XX										
5		253	40	✓	40													
6		254	30	✓	30	XX												
7		255	20	✓	20			XX										
8		256	10	✓	10			XX										
9		257	5	✓	5													
10		258	sfc	✓	1.8	X	X	XX	XX	X								
11																		
12		259	sfc	✓	1.8					XXX								
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

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

Time	UTC	Local
Start (BE)	<u>01 : 55</u>	<u>18 : 55</u>
Bottom (BO)	<u>01 : 57</u>	<u>18 : 57</u>
End (EN)	<u>02 : 07</u>	<u>19 : 07</u>

Positional Information

Lat:	<u>48 ° 14 . 042</u>	N
Lon:	<u>123 ° 18 . 101</u>	W

Start

Bottom

Finish

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

Lat: 48 ° 14 . 03 N
 Lon: 123 ° 18 . 36 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: 2016-10 Station: 69 Event #: 85 Vessel: Vector UTC Date (dd|mmm|yyyy): 26 | SEP | 2016

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	PAR									
1		260	6-5	✓ 176	X	X													
2		261	150	✓ 150	X		X												
3		262	125	✓ 125	XX														
4		263	100	✓ 100															
5		264	75	✓ 75		XX													
6		265	50	✓ 50															
7		266	40	✓ 40															
8		267	30	✓ 30	XX														
9		268	20	✓ 20	X			XX											
10		269	10	✓ 10	X	XX		XX											
11		270																	bottom seal?
12		270	5	✓ 5	X	X													
13		272	Sfc	✓ 1.9	X	X		XX	XX										
14		273	Sfc	✓ 1.9						XXX									
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 178 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	04:41	21:41
Bottom (BO)	04:43	21:43
End (EN)	04:54	21:54

Positional Information

Lat:	48° 15.64	N
Lon:	123° 43.20	W

Start

Bottom

Finish

Lat: 48° 15.64 N
 Lon: 123° 43.20 W

Lat: 48° 15.64 N
 Lon: 123° 43.18 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: 2016-10 Station: 72 Event #: 89 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 26 | Sep | 2016

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	HALC	PART	DIC	PHYP					
1		274	6.5	✓ 184	X	X					X						
2		275	175	✓			X										
3		276	150	✓							XX						
4		277	125	✓	XX												
5		278	100	✓		XX					X						
6		279	75	✓							X						
7		280	50	✓		XX					X						
8		281	40	✓													
9		282	30	✓							XX						
10		283	20	✓	XX			XX			X						
11		284															
12		285	10	✓				XX			X						
13		286	5	✓							X						
14		287	sfc	✓	X	X		XX	XX		X	X					
15		288	sfc	✓						XXX							
16		289	30	✓													
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

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

Time

UTC

Local

Start (BE)

07:46

00:46

Bottom (BO)

07:50

:

End (EN)

08:09

:

Positional Information
Lat: 48° 18.67 N
Lon: 124° 4.09 W

Start
Bottom
Lat: 48° 18.68 N
Lon: 124° 4.12 W

Finish
Lat: 48° 18.71 N
Lon: 124° 4.13 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: 2016-10 Station: 75 Event #: 92 Vessel: Vector UTC Date (dd|mmm|yyyy): 26 | Sep | 2016

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	PART							
1		290	135	✓ 220													
2		291	200	✓		XX	X										
3		292	175	✓	XX												
4		293	150	✓													
5		294	125	✓													
6		295	100	✓													
7		296	75	✓													
8		297	50	✓													
9		298	40	✓													
10		299	30	✓													
11		300															
12		301	20	✓				XX									
13		302	10	✓		XX		XX									
14		303	5	✓	XX	↓											
15		304	Surf	✓				XX	XX								
16		305	Surf	✓						XXX							
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 223 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>11:44</u>	:
Bottom (BO)	<u>11:49</u>	:
End (EN)	<u>12:05</u>	:

Positional Information

Lat:	<u>48° 28.24</u>	N
Lon:	<u>124° 32.89</u>	W

Start

▼

Lat:	<u>48° 28.25</u>	N
Lon:	<u>124° 32.96</u>	W

Bottom

▼

Lat:	<u>48° 28.24</u>	N
Lon:	<u>124° 32.99</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: 2016-10

Station: 102

Event #: 95

Vessel: Vector

UTC Date (dd|mmm|yyyy): 26|Sep|2016

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	PAR							
1		306	B-5	✓ 251													
2		307	200				X										
3		308	175														
4		309	150														
5		310	125														
6		311	100		XX												
7		312	75														
8		313	50			XX											
9		314	40														
10		315	30														
11		316															
12		317	20		XX			XX									
13		318	10					XX									
14		319	5		↓	XX											
15		320	surf		↓	↓		XX	XX								
16		321	surf							XXX							
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
 Ros (default) | TrMetlRos | X-Niskin
 Watchkeeper(s):
SP2

Bottom Depth: 257m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	14:16	07:16
Bottom (BO)	14:21	:
End (EN)	14:33	:

Positional Information

Lat:	48° 30.02	N
Lon:	124° 44.08	W

Start

▼

Lat:	48° 30.08	N
Lon:	124° 44.35	W

Bottom

▼

Lat:	48° 30.10	N
Lon:	124° 44.59	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: 2016-10 Station: 59 Event #: 100 Vessel: Vector UTC Date (dd|mmm|yyyy): 27 | SEP | 2016

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	part	photo	DIC						
1		322	6-5	✓ 244	X	X						X						
2		323	200	✓ 200	XX		X					X						
3		324	175	✓ 175														
4		325	150	✓ 150		X						X						
5		326	125	✓ 125		XX												
6		327	100	✓ 100		X						XX						
7		328	75	✓ 75								X						
8		329	50	✓ 50	XX							X						
9		330	40	✓ 40	X													
10		331	30	✓ 30	X	X						XX						
11		332																not fired
12		333	20	✓ 20	X	XX		XX				X						
13		334	10	✓ 10		X		XX				X						
14		335	5	✓ 5		X						X						
15		336	sfc	✓ 1.7	X	X		XX	XX		X	X						
16		337	sfc	✓ 1.7						XXX								
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 245 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 00 :02 17 :02
 Bottom (BO) 00 :06 17 :06
 End (EN) 00 :18 17 :18

Positional Information
 Start
 Lat: 48 °37 .62 N
 Lon: 123 °14 .02 W

Bottom
 Lat: 48 °37 .79 N
 Lon: 123 °14 .00 W

Finish
 Lat: 48 °37 .86 N
 Lon: 123 °13 .94 W

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