

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-45 Station: 2 Event #: 003 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 20|4|

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	8-2	34	✓	✓												
2		2	30	✓	✓	✓	✓											
3		3	28	✓	✓	✓												
4		4	25	✓	✓	✓												
5		5	10	✓	✓	✓												
6		6	5	✓	✓	✓												
7		7	6		✓	✓												
8																		
9																		
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16																		
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19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 37 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 17:14 10:14
 Bottom (BO) 17:16 :
 End (EN) 17:24 :

Positional Information
 Lat: 49° 38' 42" N
 Lon: 124° 53' 68" W
 ▼
 Lat: 49° 38' 42" N
 Lon: 124° 53' 68" W
 ▼
 Lat: 49° 38' 42" N
 Lon: 124° 53' 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: 2016-45

Station: 5

Event #: 010

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 28 | 4 | 16

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		8	40	✓ 40	✓	✓	✓											
2		9	38	✓	✓	✓												
3		10	36	✓	✓	✓												
4		11	25	✓	✓	✓												
5		12	16	✓	✓	✓												
6		13	5	✓	✓	✓												
7		14	0	✓	✓	✓												
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):
H.M.

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

Time	UTC	Local
Start (BE)	20:51	13:51
Bottom (BO)	20:52	:
End (EN)	21:00	:

Positional Information

Lat:	49 ° 35 . 80	N
Lon:	124 ° 51 . 61	W

▼

Lat:	49 ° 35 . 87	N
Lon:	124 ° 51 . 60	W

▼

Lat:	49 ° 35 . 88	N
Lon:	124 ° 51 . 59	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: 2016-45 Station: 8 Event #: 017 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 20 | 4 | 16

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		15	43	✓	✓	✓												
2		16	41	✓	✓	✓												
3		17	39	✓	✓	✓												
4		18	25	✓	✓	✓												
5		19	10	✓	✓	✓	✓											
6		20	5	✓	✓	✓												
7		21	0	✓	✓	✓												
8																		
9																		
10																		
11																		
12																		
13																		
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16																		
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19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 45 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>22:36</u>	:
Bottom (BO)	<u>22:38</u>	:
End (EN)	<u>22:47</u>	:

Positional Information

Lat:	<u>49° 34.14</u>	N
Lon:	<u>124° 57.49</u>	W

▼

Lat:	<u>49° 34.13</u>	N
Lon:	<u>124° 51.49</u>	W

▼

Lat:	<u>49° 34.13</u>	N
Lon:	<u>124° 51.59</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: 2016-45 Station: 11 Event #: 024 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 29 | 4 | 16

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		22	42	✓	✓	✓												
2		23	40	✓	✓	✓	✓											
3		24	38	✓	✓	✓												
4		25	25	✓	✓	✓												
5		26	10	✓	✓	✓												
6		27	5	✓	✓	✓												
7		28	0	✓	✓	✓												
8																		
9																		
10																		
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19																		
20																		
21																		
22																		
23																		
24																		

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

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

Time	UTC	Local
Start (BE)	14 : 18	07 : 18
Bottom (BO)	14 : 19	:
End (EN)	14 : 26	:

Positional Information

Lat:	49 ° 32 . 20	N
Lon:	124 ° 50 . 53	W

▼

Lat:	49 ° 32 . 20	N
Lon:	124 ° 50 . 53	W

▼

Lat:	49 ° 32 . 23	N
Lon:	124 ° 50 . 57	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: 2016-45 Station: 14 Event #: 31 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 29 | 4 | 16

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		29	45	✓	✓	✓	✓											
2		30	43	✓	✓	✓												
3		31	41	✓	✓✓	✓												
4		32	25	✓	✓	✓												
5		33	10	✓	✓	✓												
6		34	5	✓	✓	✓												
7		35	0	✓	✓	✓												
8																		
9																		
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22																		
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24																		

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

Bottom Depth: 47 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	15 : 50	08 : 50
Bottom (BO)	15 : 51	:
End (EN)	16 : 00	:

Positional Information

Lat:	49 ° 31 . 08	N
Lon:	124 ° 48 . 76	W

▼

Lat:	49 ° 31 . 08	N
Lon:	124 ° 48 . 77	W

▼

Lat:	49 ° 31 . 10	N
Lon:	124 ° 48 . 77	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: 2016-45 Station: 20 Event #: 642 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 29 | 4 | 16

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		36	36	✓	✓	✓												
2		37	34	✓	✓	✓												
3		38	32	✓	✓	✓												
4		39	25	✓	✓	✓												
5		40	10	✓	✓	✓	✓											
6		41	5	✓	✓	✓												
7		42	0	✓	✓	✓												
8																		
9																		
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18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: _____ m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N
Time **UTC** **Local**
 Start (BE) 19:19 12:19
 Bottom (BO) 19:20 :
 End (EN) 19:27 :

Positional Information
Start
 Lat: 49° 28' . 31 N
 Lon: 124° 44' . 76 W
 ▼
Bottom
 Lat: 49° 28' . 31 N
 Lon: 124° 44' . 76 W
 ▼
Finish
 Lat: 49° 28' . 32 N
 Lon: 124° 44' . 78 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: 2016-45 Station: 22 Event #: 047 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 29 | 4 | 16

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		43	40	✓	✓	✓												
2		44	38	✓	✓✓	✓	✓											
3		45	36	✓	✓	✓												
4		46	25	✓	✓	✓												
5		47	10	✓	✓	✓												
6		48	5	✓	✓	✓												
7		49	0	✓	✓	✓												
8																		
9																		
10																		
11																		
12																		
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17																		
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19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 43 m
 Transmissometer Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>20:57</u>	<u>13:57</u>
Bottom (BO)	<u>20:58</u>	:
End (EN)	<u>21:06</u>	:

Positional Information

Lat:	<u>49 ° 28 . 26</u>	N
Lon:	<u>124 ° 41 . 69</u>	W

▼

Lat:	<u>49 ° 28 . 26</u>	N
Lon:	<u>124 ° 41 . 69</u>	W

▼

Lat:	<u>49 ° 28 . 26</u>	N
Lon:	<u>124 ° 41 . 69</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: 2016-45

Station: 17

Event #: 052

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 30 | 4 | 16

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		50	50	✓	✓	✓												
2		51	48	✓	✓	✓												
3		52	46	✓	✓	✓												
4		53	25	✓	✓	✓	✓											
5		54	10	✓	✓	✓												
6		55	5	✓	✓	✓												
7		56	0	✓	✓	✓												
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):
H.M.

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

Time	UTC	Local
Start (BE)	14 : 11	07 : 11
Bottom (BO)	14 : 15	:
End (EN)	14 : 20	:

Positional Information

Lat:	49 ° 20 . 97	N
Lon:	124 ° 46 . 15	W

▼

Lat:	49 ° 28 . 97	N
Lon:	124 ° 46 . 16	W

▼

Lat:	49 ° 28 . 96	N
Lon:	124 ° 46 . 14	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: 2016-45 Station: 23 Event #: 055 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 30 | 4 | 16

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		57	55	✓	✓	✓												
2		58	53	✓	✓	✓	✓											
3		59	51	✓	✓	✓												
4		60	25	✓	✓	✓												
5		61	10	✓	✓	✓												
6		62	5	✓	✓	✓												
7		63	0		✓	✓												
8																		
9																		
10																		
11																		
12																		
13																		
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15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 59 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 15:52 08:52
 Bottom (BO) 15:54 :
 End (EN) 16:01 :

Positional Information
 Start Lat: 49° 27.75 N
 Lon: 124° 39.92 W
 Bottom Lat: 49° 27.74 N
 Lon: 124° 39.90 W
 Finish Lat: 49° 27.74 N
 Lon: 124° 39.86 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: 2016-45 Station: 29 Event #: 058 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 30 | 4 | 16

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		64	55	✓	✓✓	✓	✓											
2		65	53	✓	✓	✓												
3		66	51	✓	✓	✓												
4		67	25	✓	✓	✓												
5		68	10	✓	✓	✓												
6		69	5	✓	✓	✓												
7		70	0	✓	✓	✓												
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):
H.M.

Bottom Depth: 59 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	17:02	10:02
Bottom (BO)	17:04	:
End (EN)	17:11	:

Positional Information

Lat:	49° 24 . 70	N
Lon:	124° 34 . 89	W

▼

Lat:	49° 24 . 70	N
Lon:	124° 34 . 87	W

▼

Lat:	49° 24 . 68	N
Lon:	124° 34 . 80	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: 2016-45 Station: 40 Event #: 061 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 30 | 4 | 16

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		71	336	✓	✓	✓												
2		72	334	✓	✓	✓												
3		73	332	✓	✓	✓	✓											
4		74	250	✓	✓	✓												
5		75	200	✓	✓	✓												
6		76	150	✓	✓	✓												
7		77	100	✓	✓	✓												
8		78	75	✓	✓	✓												
9		79	50	✓	✓	✓												
10		80	25	✓	✓	✓												
11		81	10	✓	✓	✓												
12		82	5	✓	✓	✓												
13		83	0	✓	✓	✓												
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 343 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 19:27 12:27
 Bottom (BO) 19:34 :
 End (EN) 19:58 :

Positional Information
 Start
 Lat: 49° 27.08 N
 Lon: 124° 28.34 W
 Bottom
 Lat: 49° 27.06 N
 Lon: 124° 28.35 W
 Finish
 Lat: 49° 27.08 N
 Lon: 124° 28.35 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: 2016-45

Station: 39

Event #: 064

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 30 | 4 | 16

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		84	168	✓	✓	✓												
2		85	100	✓	✓	✓												
3		86	75	✓	✓	✓	✓											
4		87	50	✓	✓	✓												
5		88	25	✓	✓	✓												
6		89	10	✓	✓	✓												
7		90	5	✓	✓	✓												
8		91	0	✓	✓	✓												
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):
H.M

Bottom Depth: _____ m
 Transmisso Cleaned: ☒ Y / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 21:54 14:54
 Bottom (BO) 21:59 :
 End (EN) 22:09 :

Positional Information
 Start
 Lat: 49° 30' 51" N
 Lon: 124° 29' 61" W
 Bottom
 Lat: 49° 30' 52" N
 Lon: 124° 29' 62" W
 Finish
 Lat: 49° 30' 53" N
 Lon: 124° 29' 58" 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: 2016-45 Station: 38 Event #: 067 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 30 | 4 | 16

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		92	172	✓	✓	✓	✓											
2		93	100	✓	✓	✓												
3		94	75	✓	✓	✓												
4		95	50	✓	✓	✓												
5		96	25	✓	✓	✓												
6		97	10	✓	✓	✓												
7		98	5	✓	✓	✓												
8		99	0	✓	✓	✓												
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):
A.M.

Bottom Depth: 177 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 23:31 :
 Bottom (BO) 23:36 :
 End (EN) 23:47 :

Positional Information
 Start
 Lat: 49° 34.19 N
 Lon: 124° 34.03 W
 Bottom
 Lat: 49° 34.19 N
 Lon: 124° 34.83 W
 Finish
 Lat: 49° 34.19 N
 Lon: 124° 34.84 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: 2016-45

Station: 33

Event #: 070

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 1 | 5 | 16

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		100	55	✓	✓	✓												
2		101	53	✓	✓	✓	✓											
3		102	51	✓	✓	✓												
4		103	25	✓	✓	✓												
5		104	10	✓	✓	✓												
6		105	5	✓	✓	✓												
7		106	0	✓	✓	✓												
8																		
9																		
10																		
11																		
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23																		
24																		

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

Bottom Depth: 59 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 14:06 07:06
 Bottom (BO) 14:07 :
 End (EN) 14:15 :

Positional Information
 Start
 Lat: 49° 30' 55" N
 Lon: 124° 42' 80" W
 Bottom
 Lat: 49° 30' 56" N
 Lon: 124° 42' 80" W
 Finish
 Lat: 49° 30' 57" N
 Lon: 124° 42' 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: 2016-45 Station: 32 Event #: 073 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 1 | 5 | 16

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		107	44	✓	✓	✓												
2		108	42	✓	✓✓	✓	✓											
3		109	40	✓	✓	✓												
4		110	25	✓	✓	✓												
5		111	10	✓	✓	✓												
6		112	5	✓	✓	✓												
7		113	0	✓	✓	✓												
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
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20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 47 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	17 : 37	10 : 37
Bottom (BO)	17 : 39	:
End (EN)	17 : 45	:

Positional Information

Lat:	<u>49° 33.51</u>	N
Lon:	<u>124° 44.44</u>	W

▼

Lat:	<u>49° 33.51</u>	N
Lon:	<u>124° 44.44</u>	W

▼

Lat:	<u>49° 33.51</u>	N
Lon:	<u>124° 44.46</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: 2016-45 Station: 31 Event #: 076 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 1 | 5 | 16

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		114	44	✓	✓	✓												
2		115	42	✓	✓	✓	✓											
3		116	40	✓	✓	✓												
4		117	25	✓	✓	✓												
5		118	10	✓	✓	✓												
6		119	5	✓	✓	✓												
7		120	0	✓														
8																		
9																		
10																		
11																		
12																		
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14																		
15																		
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17																		
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19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: _____ m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 19 :06 12 :06
 Bottom (BO) 19 :08 :
 End (EN) 19 :15 :

Positional Information
 Start
 Lat: 49 ° 37 . 45 N
 Lon: 124 ° 46 . 78 W
 Bottom
 Lat: 49 ° 37 . 45 N
 Lon: 124 ° 46 . 78 W
 Finish
 Lat: 49 ° 37 . 46 N
 Lon: 124 ° 46 . 84 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: 2016-45 Station: 24 Event #: 085 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 11/5/16

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		121	50	✓	✓	✓												
2		122	48	✓	✓	✓	✓											
3		123	46	✓	✓	✓												
4		124	25	✓	✓	✓												
5		125	10	✓	✓	✓												
6		126	5	✓	✓	✓												
7		127	0	✓	✓	✓												
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):
H.M.

Bottom Depth: 54 m
 Transmissometer Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>21:53</u>	<u>14:53</u>
Bottom (BO)	<u>21:54</u>	:
End (EN)	<u>22:02</u>	:

Positional Information

Lat:	<u>49° 39.81</u>	N
Lon:	<u>124° 51.18</u>	W

▼

Lat:	<u>49° 39.81</u>	N
Lon:	<u>124° 51.17</u>	W

▼

Lat:	<u>49° 39.81</u>	N
Lon:	<u>124° 51.17</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: 2016-45 Station: 34 Event #: 088 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 2 | 5 | 16

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		128	172	✓	✓✓	✓												
2		129	125	✓	✓	✓	✓											
3		130	100	✓	✓	✓												
4		131	75	✓	✓	✓												
5		132	50	✓	✓	✓												
6		133	25	✓	✓	✓												
7		134	10	✓	✓	✓												
8		135	5	✓	✓	✓												
9		136	0	✓	✓	✓												
10																		
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: _____ m
 Transmissometer Cleaned: ☒ Y / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 14 : 13 07 : 13
 Bottom (BO) 14 : 17 :
 End (EN) 14 : 29 :

Positional Information
 Start
 Lat: 49 ° 27 . 31 N
 Lon: 124 ° 35 . 11 W
 Bottom
 Lat: 49 ° 27 . 31 N
 Lon: 124 ° 35 . 11 W
 Finish
 Lat: 49 ° 27 . 32 N
 Lon: 124 ° 35 . 10 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: 2016-45 Station: 35 Event #: 091 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 2 | 5 | 16

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		137	120	✓	✓	✓												
2		138	100	✓	✓	✓												
3		139	75	✓	✓	✓												
4		140	50	✓	✓	✓	✓											
5		141	25	✓	✓	✓												
6		142	10	✓	✓	✓												
7		143	5	✓	✓	✓												
8		144	0	✓	✓	✓												
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
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22																		
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24																		

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

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

Time	UTC	Local
Start (BE)	17 :23	10 :23
Bottom (BO)	17 :26	:
End (EN)	17 :35	:

Positional Information

Lat:	<u>49 ° 41 . 84</u>	N
Lon:	<u>124 ° 47 . 45</u>	W

▼

Lat:	<u>49 ° 41 . 84</u>	N
Lon:	<u>124 ° 47 . 43</u>	W

▼

Lat:	<u>49 ° 41 . 83</u>	N
Lon:	<u>124 ° 47 . 42</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: 2016-45 Station: 36 Event #: 094 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 2 | 5 | 16

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		145	135	✓	✓	✓	✓											
2		146	100	✓	✓	✓												
3		147	75	✓	✓	✓												
4		148	50	✓	✓	✓												
5		149	25	✓	✓	✓												
6		150	10	✓	✓	✓												
7		151	5	✓	✓	✓												
8		152	0	✓	✓	✓												
9																		
10																		
11																		
12																		
13																		
14																		
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16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
 Ros (default) | TrMetlRos | X-Niskin
 Watchkeeper(s):
14m.

Bottom Depth: 140 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	19:07	12:07
Bottom (BO)	19:10	:
End (EN)	19:20	..

Positional Information

Lat:	49° 38.87	N
Lon:	124° 43.15	W

Start

Bottom

Finish

Lat: 49° 38.97 N
 Lon: 124° 43.15 W

Lat: 49° 38.87 N
 Lon: 124° 43.17 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: 2016-45

Station: 37

Event #: 097

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 2 | 5 | 16

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		153	160	✓	✓	✓	✓										
2		154	100	✓	✓	✓											
3		155	75	✓	✓	✓											
4		156	50	✓	✓	✓											
5		157	25	✓	✓	✓											
6		158	10	✓	✓	✓											
7		159	5	✓	✓	✓											
8		160	0	✓	✓	✓											
9																	
10																	
11																	
12																	
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17																	
18																	
19																	
20																	
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22																	
23																	
24																	

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

Bottom Depth: 164 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 20:34 13:34
 Bottom (BO) 20:37 :
 End (EN) 20:48 :

Positional Information
 Start
 Lat: 49° 35.95 N
 Lon: 124° 39.26 W
 Bottom
 Lat: 49° 35.95 N
 Lon: 124° 39.30 W
 Finish
 Lat: 49° 35.96 N
 Lon: 124° 39.25 W

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