

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2017-64 Station: 46 Event #: 42 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 24 | Jul | 2017

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)														Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HPLC	PART									
1		136	5-5	✓ 175	X	X													
2		137	150	✓ 150		1	X												
3		138	125	✓ 125		XX													
4		139	100	✓ 100															
5		140	75	✓ 75															
6		141	50	✓ 50	XX														
7		142	40	✓ 40															
8		143	30	✓ 30															
9		144	20	✓ 20		XX		XX											
10		145	10	✓ 10				XX											
11		146	5	✓ 5	XX														
12		147	0	✓ 1.4	X	X		XX	XX										
13		148	0	✓ 1.4						XXX									
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

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

Time	UTC	Local
Start (BE)	04 :42	21 :42
Bottom (BO)	04 :45	21 :45
End (EN)	04 :59	21 :59

Positional Information
Start
Lat: 48 ° 51 . 37 N
Lon: 123 ° 10 . 78 W

Bottom
Lat: 48 ° 51 . 29 N
Lon: 123 ° 10 . 73 W

Finish
Lat: 48 ° 51 . 13 N
Lon: 123 ° 10 . 61 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2017-64 Station: 42 Event #: 46 Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 24 | Jun | 2017

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HPLC	PART	DIC	DA	phyto					
1		149	0-5	✓ 316	X	XX					X							
2		150	300	✓		X	X											
3		151	250	✓							X							
4		152	200	✓							X							
5		153	175	✓	XX													
6		154	150	✓							X							
7		155	125	✓							XX							
8		156	100	✓							X							
9		157	75	✓		X					X							
10		158	50	✓		XX					X							
11		159	40	✓		X					X							
12		160	30	✓							X							
13		161	20	✓				XX			XX							
14		162	10	✓	XX			XX			X							
15		163	5	✓							X							
16		164	0	✓	X	X		XX	XX		X	X	X					
17		165	0	✓						XXX								
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s):
SR

Bottom Depth: 321 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	08:43	01:43
Bottom (BO)	08:49	:
End (EN)	09:01	:

Positional Information

Start

Lat: 49° 01.79 N

Lon: 123° 26.16 W

Bottom

Lat: 49° 01.79 N

Lon: 123° 26.20 W

Finish

Lat: 49° 01.79 N

Lon: 123° 26.22 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: 2017-64 Station: 39 Event #: 53 Vessel: Vector

UTC Date (dd|mmm|yyyy): 24|Jun|2017

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)										UTC Date (dd mmm yy)			
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HPLC	PART								Comments
1		166	355	✓	374													
2		167	350	✓			X											
3		168	300	✓														
4		169	250	✓		XX												
5		170	200	✓														
6		171	175	✓														
7		172	150	✓		XX												
8		173	125	✓														
9		174	100	✓														
10		175	75	✓														
11		176	50	✓														
12		177	40	✓		XX												
13		178	30	✓		XX												
14		179	20					XX										
15		180	10					XX										
16		181	5															
17		182	0					XX	XX									
18		183	0							XX								
19																		
20																		
21																		
22																		
23																		
24																		

Version: 14 February 2013

Transmissometer and Fluorometer are to be cleaned before each cast -- do not use Ammonia products

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

Bottom Depth: 376 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	14:06	07:06
Bottom (BO)	14:13	:
End (EN)	14:35	:

Positional Information
Start
Lat: 49° 9.80 N
Lon: 123° 33.02 W

Bottom
Lat: 49° 9.80 N
Lon: 123° 33.01 W

Finish
Lat: 49° 9.80 N
Lon: 123° 33.01 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2017-04 Station: 40 Event #: 55 Vessel: Vector

UTC Date (dd|mmm|yyyy): 24 Jun 2017

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	PART									
1		184	B-5	✓	150				XXX									
2		185	100	✓					XXX									
3		186	50	✓					XXX									
4		187	20	✓					XXX									
5		188	0	✓					XXX									
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: 154 m
Transmisso Cleaned: Y N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 15:31 :
Bottom (BO) 15:34 :
End (EN) 15:41 :

Positional Information
Start Lat: 49° 8.61 N
Lon: 123° 36.82 W
Bottom Lat: 49° 8.62 N
Lon: 123° 36.81 W
Finish Lat: 49° 8.62 N
Lon: 123° 36.80 W

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

Cruise ID: 2017-64 Station: GE01 Event #: 56 Vessel: Vector UTC Date (dd|mmm|yyyy): 24 June 2017

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HPLC									
1		189	20	✓				XX										
2		190	10	✓				XX										
3		191	0	✓				XX	XX									Fluor 23.5
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s):

SR

Bottom Depth: 400 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time

UTC

Local

Start (BE)

16:42

09:42

Bottom (BO)

16:49

:

End (EN)

16:58

:

Positional Information

Start

Lat: 49° 14.97 N

Lon: 123° 44.88 W

Bottom

Lat: 49° 14.97 N

Lon: 123° 44.89 W

Finish

Lat: 49° 14.99 N

Lon: 123° 44.91 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2017-64 Station: 27 Event #: 61 Vessel: Vector

UTC Date (dd|mmm|yyyy): 24 Jun 2017

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												UTC Date (dd mmm y)	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HA2C	PART	DIC	DOMA	Phyto					Comments
1		192	B-5	✓ 337							↓							
2		193	300	✓ 300			X				↓							
3		194	250	✓ 250							XX							
4		195	200	✓ 200							↓							
5		196	175	✓ 175							↓							
6		197	150	✓ 150		XX					XX							
7		198	125	✓ 125	XX													
8		199	100	✓ 100														
9		200	75	✓ 75														
10		201	50	✓ 50														
11		202	40	✓ 40														
12		203	30	✓ 30														
13		204	20	✓ 20		XX		XX			XX							
14		205	10	✓ 10				XX										
15		206	5	✓ 5	XX	↓												
16		207	0	✓ 1.3	↓	↓		XX	XX		↓	X	X					
17		208	0	✓						XXX								
18			0															
19																		
20																		
21																		
22																		
23																		
24																		

Version: 14 February 2013

Transmissometer and Fluorometer are to be cleaned before each cast.

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

Bottom Depth: 342 m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	19 :32	12 :32
Bottom (BO)	19 :38	12 :38
End (EN)	19 :55	12 :55

Positional Information

Start
Lat: 49° 19' .09 N
Lon: 123° 47' .96 W

Bottom
Lat: 49° 19' .09 N
Lon: 123° 48' .02 W

Finish
Lat: 49° 19' .13 N
Lon: 123° 47' .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: 2017-64

Station: 02

Event #: 68

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 25 | JUL | 2017

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HPLC	PART	DA	photo						
1		209	5-5	✓ 273	X	X												
2		210	250	✓ 250	1		X											
3		211	200	✓ 200	XX													
4		212	175	✓ 175														
5		213	150	✓ 150														
6		214	125	✓ 125		XX												
7		215	100	✓ 100		1												
8		216	75	✓ 75		XX												
9		217	50	✓ 50														
10		218	40	✓ 40														
11		219	30	✓ 30														
12		210	20	✓ 20				XX										
13		211	10	✓ 10	XX			XX										
14		212	5	✓ 5	1													
15		213	0	✓ 0.6	X	X		XX	XX		X	X						
16		214	0	✓ 0.8						XXX								
17			0	✓														
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Version: 14 February 2013

Transmissometer and Fluorometer are to be cleaned before each cast. do not use A...

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

Bottom Depth: 277 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>00:49</u>	<u>17:49</u>
Bottom (BO)	<u>00:54</u>	<u>17:54</u>
End (EN)	<u>01:11</u>	<u>18:11</u>

Positional Information

Start	Lat: <u>49°24.12</u> N
	Lon: <u>124°09.25</u> W

Bottom

Lat: <u>49°24.11</u> N
Lon: <u>124°09.28</u> W

Finish

Lat: <u>49°24.10</u> N
Lon: <u>124°09.30</u> W

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

Cruise ID: 2017-69 Station: CPF1 Event #: 069 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 25 | Jun | 2017

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)										Comments		
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	HPLC								
1		215	20	✓ 20				XX									
2		216	10	✓ 10				XX									
3		217	0	✓ 1.3				XX	XX								
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Version: 14 February 2013

Transmissometer and Fluorometer are to be cleaned before each cast. do not use detergent.

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

Bottom Depth: 245 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	01:43	18:43
Bottom (BO)	01:48	18:48
End (EN)	01:55	18:55

Positional Information
Start
Lat: 49° 21.99' N
Lon: 124° 05.08' W

Bottom
Lat: 49° 21.99' N
Lon: 124° 05.12' W

Finish
Lat: 49° 22.00' N
Lon: 124° 05.13' 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: 2017-64

Station: 3

Event #: 71

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 25 | JUN | 2017

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HPLC	PART								
1		218	5-5	✓	316		X											
2		219	300	✓	300			X										
3		220	250	✓	250													
4		221	200	✓	200	m												
5		222	175	✓	175	ms												
6		223	150	✓	150	ms												
7		224	125	✓	125													
8		225	100	✓	100	ms												
9		226	75	✓	75	ms												
10		227	50	✓	50	ms	XX											
11		228	40	✓	40	ms												
12		229	30	✓	30	ms												
13		230	20	✓	20		XX		XX									
14		231	10	✓	10				XX									
15		232	5	✓	5	ms												
16		233	0	✓	1.1		X		XX	XX								
17		234	0	✓	1.1					XXX								
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Version: 14 February 2013

Transmissometer and Fluorometer

Profile type:
 Ros (default) | TrMetlRos | X-Niskin
 Watchkeeper(s):
PC RUP BR PUB

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

Time	UTC	Local
Start (BE)	<u>04:40</u>	<u>21:40</u>
Bottom (BO)	<u>04:47</u>	<u>21:47</u>
End (EN)	<u>05:05</u>	<u>:</u>

Positional Information

Start	Lat: <u>49° 26' . 64</u> N
	Lon: <u>124° 20' . 15</u> W
▼	
Bottom	Lat: <u>49° 26' . 62</u> N
	Lon: <u>124° 20' . 19</u> W
▼	
Finish	Lat: <u>49° 26' . 56</u> N
	Lon: <u>124° 20' . 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: 2017-64 Station: BS17 Event #: 75 Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 25 | JUN | 2017

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)										UTC Date (dd mmm y)		
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HPIC	DIC	DonA						Comments
1		235	6-5	✓ 58	X	X				X							
2		236	50	✓			X			X							
3		237	40	✓						XX							
4		238	30	✓	XX					X							
5		239	20	✓		XX		XX		X							
6		240	10	✓				XX		XX							
7		241	5	✓						X							
8		242	0	✓	X	XX		XX	XX	X	X						
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Version: 14 February 2013

Transmissometer and Fluorometer are to be cleaned before each cast -- do not use Ammonia products

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

Bottom Depth: 61 m
 Transmisso Cleaned: ☒ Y / ☐ N
 Fluorometer Cleaned: ☐ Y / ☐ N

Time	UTC	Local
Start (BE)	07:17	12:17
Bottom (BO)	07:19	:
End (EN)	07:27	:

Positional Information

Start	Lat: <u>49° 29.01</u>	N
	Lon: <u>124° 46.02</u>	W

Bottom

Lat: <u>49° 29.01</u>	N
Lon: <u>124° 46.02</u>	W

Finish

Lat: <u>49° 29.01</u>	N
Lon: <u>124° 45.97</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: 2017-64 Station: 6 Event #: 78 Vessel: Vector

UTC Date (dd|mmm|yyyy): 25 Jun 2017

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)										UTC Date (dd mmm yy)		
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	PART	HPIC							Comments
1		243	B-5	✓ 184	↓	↓											
2		244	175	✓	↓	↓	X										
3		245	150	✓	↓	↓											
4		246	125	✓	↓	↓											
5		247	100	✓	XX	↓											
6		248	75	✓	↓	XX											
7		249	50	✓	↓	↓											
8		250	40	✓	↓	↓											
9		251	30	✓	↓	↓											
10		252	20	✓	XX	↓		XX									
11		253	10	✓	↓	XX		XX									
12		254	5	✓	↓	↓											
13		255	0	✓	↓	↓		XX		XX							
14		256	0	✓					XX								
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Version: 14 February 2013

Transmissometer and Fluorometer are to be cleaned before each use.

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

Bottom Depth: 194 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	09:47	02:47
Bottom (BO)	09:51	:
End (EN)	10:06	:

Positional Information

Lat:	49° 30.61	N
Lon:	124° 27.78	W

▼

Lat:	49° 30.61	N
Lon:	124° 27.77	W

▼

Lat:	49° 30.61	N
Lon:	124° 27.78	W

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