

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54 Station: SOGN Event #: 7 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 15|OCT|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		TOC	DOC	CDOM	618					
1		1	0-5	✓ 330	✓	✓												
2		2	300	✓ 300	✓	✓												
3		3	250	✓ 250	✓	✓												
4		4	200	✓ 200	✓	✓												
5		5	150	✓ 150	✓	✓												
6		6	100	✓ 100	✓	✓												
7		7	75	✓ 75	✓✓	✓✓												
8		8	50	✓ 50	✓	✓												
9		9	30	✓ 30	✓	✓												
10		10	20	✓ 20	✓	✓		✓✓										
11		11	10	✓ 10	✓	✓		✓✓										
12		12	0				✓		✓✓	✓✓	✓✓	✓✓	✓✓					
13		13	0		✓	✓	✓	✓✓										
14		14	0															
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 335 m
 Transmisso Cleaned: Y N
 Fluorometer Cleaned: Y / N NA

Time	UTC	Local
Start (BE)	<u>20:34</u>	<u>13:34</u>
Bottom (BO)	<u>20:39</u>	<u>13:39</u>
End (EN)	<u>20:58</u>	<u>13:58</u>

Positional Information

Lat:	<u>49° 50' . 170</u>	N
Lon:	<u>124° 51' . 919</u>	W

Start

▼

Lat:	<u>49° 50' . 166</u>	N
Lon:	<u>124° 51' . 913</u>	W

Bottom

▼

Lat:	<u>49° 50' . 126</u>	N
Lon:	<u>124° 51' . 893</u>	W

Finish

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

Particles
x3

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54 Station: SC74 Event #: 17 Vessel: VECTIR UTC Date (dd|mmm|yyyy): 17 OCT 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		TOC	DOC	CDOM	SR					
1		15	bot-5	✓ 376	✓	✓												
2		16	300	✓ 301	✓	✓												
3		17	250	✓ 250	✓	✓												
4		18	200	✓ 200	✓	✓												
5		19	150	✓ 150	✓✓	✓✓												
6		20	100	✓ 100	✓	✓												Dups
7		21	75	✓ 75	✓	✓												
8		22	50	✓ 50	✓	✓												
9		23	30	✓ 30.9	✓✓	✓✓												→ Fired too soon
10		24	20	✓ 20	✓	✓		✓✓										Dups! didn't wait 30s - DW
11		25	10	✓ 10	✓	✓		✓✓										
12		26	0	✓ 2.2		✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓					
13		27	0	✓ 2.2		✓	✓✓	✓✓										
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
 Ros (default) | TrMetiRos | X-Niskin
 Watchkeeper(s):
DW, LP, MB

Bottom Depth: 379 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

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

Positional Information

Start
 Lat: 52° 0' .676 N
 Lon: 129° 15' .804 W

Start

Bottom
 Lat: 52° 0' .622 N
 Lon: 129° 15' .905 W

Bottom

Finish
 Lat: 52° 0' .535 N
 Lon: 129° 16' .001 W

Finish

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

Bottle 18 = MT - moved all sampling to Bot 12 - no oxygen @ surface though.

Particle Cast

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54

Station: WHA 3

Event #: 20

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 17 | OCT | 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	SPC								
1		28	6-5				✓		✓✓✓								} for calib. Particle bucket
2		29	100						✓✓✓								
3		30	20						✓✓✓								
4		31	0						✓✓✓								
5		32	surf						✓✓✓								
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):
DW, CP, MB

Bottom Depth: 310 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	10:20	03:20
Bottom (BO)	10:32	03:32
End (EN)	10:45	03:45

Positional Information
Start
Lat: 53° 08' .344 N
Lon: 129° 07' .265 W

Bottom
Lat: 53° 08' .261 N
Lon: 129° 07' .229 W

Finish
Lat: 53° 08' .138 N
Lon: 129° 07' .276 W

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

Surface bucket taken concurrently with 19p cast

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54

Station: CS84

Event #: 24

Vessel: VECTOR

UTC Date (dd/mmm/yyyy): 17 OCT 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		TOC	DOC	PO4	Si					
1		33	0-5	✓ 24.6	✓	✓												
2		34	200	✓ 20.1	✓	✓												
3		35	150	✓ 15.0	✓	✓												
4		36	100	✓ 10.3	✓	✓												
5		37	75	✓ 7.5	✓	✓												
6		38	50	✓ 5.0	✓													
7		39	30	✓ 3.0	✓✓	✓✓												
8		40	20	✓ 2.0	✓	✓		✓✓										Dups
9		41	10	✓ 1.0	✓	✓		✓✓										
10		42	0	✓ 0.0					✓✓	✓✓	✓✓	✓✓						Dups
11		43	0	✓ 0.0	✓	✓	✓	✓✓										
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
 Ros (default) | TrMetlRos | X-Niskin
 Watchkeeper(s):
DW, LP, MB

Bottom Depth: 346 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>16:39</u>	:
Bottom (BO)	<u>16:48</u>	:
End (EN)	<u>17:04</u>	:

Positional Information

Start	Lat: <u>52</u> ° <u>55</u> . <u>000</u> N
Start	Lon: <u>129</u> ° <u>24</u> . <u>091</u> W

Bottom

Bottom	Lat: <u>52</u> ° <u>54</u> . <u>404</u> N
Bottom	Lon: <u>129</u> ° <u>24</u> . <u>373</u> W

Finish

Finish	Lat: <u>52</u> ° <u>54</u> . <u>127</u> N
Finish	Lon: <u>129</u> ° <u>24</u> . <u>792</u> W

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

SUPER CHEMISTRY

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54 Station: HECI Event #: 27 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 17 | Oct | 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			TOC	DOC	CDOM	SIB	Phyto		
1	1	bot-5	44		129	✓	✓	✓									Dups
2	2	bot-5	45		129			✓			✓	✓	✓	✓			
3	3	100	46		101	✓	✓	✓									
4	4	100	47		101			✓			✓	✓	✓	✓			
5	5	75	48		76	✓	✓	✓									
6	6	75	49		76			✓			✓	✓	✓	✓			
7	7	50	50		50	✓	✓	✓									
8	8	50	51		50			✓			✓	✓	✓	✓			Dups
9	9	30	52		30	✓	✓	✓									Dups
10	10	30	53		30			✓			✓	✓	✓	✓			
11	11	20	54		20	✓	✓	✓	✓								
12	12	20	55		20			✓			✓	✓	✓	✓			
13	13	10	56		10	✓	✓	✓	✓								
14	14	10	57		10			✓			✓	✓	✓	✓			
15	15	0	58		2.5	✓	✓	✓	✓								
16	16	0	59		2.5			✓			✓	✓	✓	✓	✓		
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 130 m
 Transmissometer Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>21 : 26</u>	<u>14 : 26</u>
Bottom (BO)	<u>21 : 30</u>	<u>14 : 30</u>
End (EN)	<u>21 : 40</u>	<u>14 : 40</u>

Positional Information

Lat:	<u>52° 49.446</u>	N
Lon:	<u>129° 50.515</u>	W

Start

Bottom

Finish

Lat:	<u>52° 49.445</u>	N
Lon:	<u>129° 50.522</u>	W

Lat:	<u>52° 49.441</u>	N
Lon:	<u>129° 50.528</u>	W

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

Super Chem!
in fine sunshine!

PARTICLE CAST + DIC ALK for SP6T

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54 Station: HEC1 Event #: 28 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 17 | OCT | 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									
1	1	60	15	126													P
2	2	61	100	99.5													P
3	3	62	50	50.5													P
4	4	63	50	50.2													DIC
5	5	64	45	45.7													DIC
6	6	65	40	39.9													DIC
7	7	66	20	20													P
8	8	67	0	2.0													P
9		68	surf														BUCKET (P)
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
 Ros (default) | TrMet/Ros | X-Niskin
 Watchkeeper(s):
TF, DS, SP

Bottom Depth: 131 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>22 : 29</u>	<u>15 : 29</u>
Bottom (BO)	<u>22 : 32</u>	<u>15 : 32</u>
End (EN)	<u>22 : 42</u>	<u>15 : 42</u>

Positional Information

Lat:	<u>52 ° 49 . 450</u> N
Lon:	<u>129 ° 50 . 552</u> W

Bottom

Lat:	<u>52 ° 49 . 440</u> N
Lon:	<u>129 ° 50 . 555</u> W

Finish

Lat:	<u>52 ° 49 . 446</u> N
Lon:	<u>129 ° 50 . 561</u> W

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

Bucket taken concurrently with 19p CTD cast

STANDARD CHEM ± PARTICLES

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54

Station: DOUG26

Event #: 36

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 18 OCT 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		TOC	DOC	CDOM	818	Phy to	SPC		
1		69	10-5	✓	393	✓	✓										
2		70	10-5	✓	393	✓	✓								✓✓		PARTICLES
3		71	350	✓	350	✓✓	✓✓										Dups
4		72	300	✓	300	✓	✓										
5		73	250	✓	250	✓	✓										
6		74	200	✓	200	✓	✓										
7		75	150	✓	150	✓	✓										
8		76	100	✓	100	✓	✓										
9		77	75	✓	75	✓	✓										
10		78	50	✓	50	✓✓	✓✓										Dups
11		79	30	✓	30	✓	✓										
12		80	20	✓	20	✓	✓	✓✓									
13		81	10	✓	10	✓	✓	✓✓									
14		82	0	✓	2.9		✓		✓✓	✓✓	✓✓	✓✓	✓				Dups
15		83	0	✓	2.9	✓	✓	✓✓									
16		84	0	✓	2.9										✓✓		PARTICLES
17		85	surf												✓✓		buckets
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:

Ros (default) | TrMetIRos | X-Niskin

Watchkeeper(s):

OW, LP, MB

Bottom Depth: 404 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time UTC Local

Start (BE) 09:42 02:42

Bottom (BO) 09:52 02:52

End (EN) 10:11 03:12

Positional Information

Lat: 53°40.423 N

Lon: 129°07.304 W

Lat: 53°40.447 N

Lon: 129°07.157 W

Lat: 53°40.549 N

Lon: 129°07.033 W

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

surf bucket taken concurrently with 19p CTD

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54

Station: Doug-31

Event #: 38

Vessel: VCCTOP

UTC Date (dd|mmm|yyyy): 18 | OCT | 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		TOC	DOC	CDOM	Flu					
1		86	10-5	✓ 291	✓	✓												
2		87	200	✓ 200	✓	✓												
3		88	150	✓ 150	✓	✓												
4		89	100	✓ 100	✓	✓												
5		90	75	✓ 75	✓	✓												
6		91	75	✓ 75	✓	✓												
7		92	30	✓ 30	✓	✓												Tripped two @ 75m
8		93	20	✓ 20	✓	✓		✓										Dups
9		94	10	✓ 10	✓	✓		✓										
10		95	0	✓ 2.6			✓			✓	✓	✓	✓	✓				Dups
11		96	0	✓ 2.6	✓	✓	✓	✓										
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
 Ros (default) | TrMetlRos | X-Niskin
 Watchkeeper(s):
DW, LP, MB

Bottom Depth: 295 m
 Transmisso Cleaned: ☒ / N
 Fluorometer Cleaned: ☒ / N

Time	UTC	Local
Start (BE)	13 : 36	06 : 36
Bottom (BO)	13 : 43	06 : 43
End (EN)	14 : 00	07 : 00

Positional Information

Lat: <u>53</u> ° <u>36</u> . <u>660</u> N
Lon: <u>129</u> ° <u>12</u> . <u>791</u> W

Bottom

Lat: <u>53</u> ° <u>36</u> . <u>678</u> N
Lon: <u>129</u> ° <u>12</u> . <u>796</u> W

Finish

Lat: <u>53</u> ° <u>36</u> . <u>654</u> N
Lon: <u>129</u> ° <u>12</u> . <u>739</u> W

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

PARTICLES + DIC/ALK for SPBT

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54 Station: FOCI

Event #: 40

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 18 | Oct | 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									
1	1	86	6-5	368									✓✓				Particles
2	2	87	200	200									✓✓✓				"
3	3	88	100	100									✓✓✓				"
4	4	89	50	50									✓✓✓				"
5	5	90	50	50						✓✓							} DIC/ALK
6	6	91	45	45						✓✓							
7	7	92	40	40						✓✓							
8	8	93	0	2.6									✓✓✓				Particles
9		94	surf. bucket										✓✓✓				Bucket +
10																	CTD
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
 Ros (default) | TrMetlRos | X-Niskin
 Watchkeeper(s):
TF, SP, DS

Bottom Depth: 374 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	20 : 14	13 : 14
Bottom (BO)	20 : 22	13 : 22
End (EN)	20 : 34	13 : 34

Positional Information

Lat:	53 ° 44 . 303	N
Lon:	129 ° 01 . 562	W

Bottom

Lat:	53 ° 44 . 311	N
Lon:	129 ° 01 . 564	W

Finish

Lat:	53 ° 44 . 302	N
Lon:	129 ° 01 . 564	W

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

surface bucket current with 19p CTD

SUPERSTEM ONLY

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54 Station: FOCI Event #: 4 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 18 Oct 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								
1	1	95	10-5	368	✓	✓	✓									
2	2	96	10-5	368			✓			✓	✓	✓	✓			
3	3	97	300	300	✓	✓	✓									
4	4	98	300	300			✓			✓	✓	✓	✓			
5	5	99	250	250.8	✓	✓	✓									
6	6	100	250	250.8			✓			✓	✓	✓	✓			
7	7	101	200	200.5	✓✓	✓✓	✓									Dups
8	8	102	200	200.5			✓			✓	✓	✓	✓			
9	9	103	150	150	✓	✓	✓									
10	10	104	150	150			✓			✓	✓	✓	✓			
11	11	105	100	100.4	✓	✓	✓									
12	12	106	100	100.4			✓			✓	✓	✓	✓			
13	13	107	75	75.4	✓	✓	✓									
14	14	108	75	75.4			✓			✓	✓	✓	✓			
15	15	109	50	49.8	✓	✓	✓									
16	16	110	50	49.8			✓			✓✓	✓✓	✓✓	✓✓			Dups
17	17	111	30	30.3	✓✓	✓✓	✓									Dups
18	18	112	30	30.3			✓			✓	✓	✓	✓			
19	19	113	20	20.3	✓	✓	✓	✓✓								
20	20	114	20	20.3			✓			✓	✓	✓	✓			
21	21	115	10	10.2	✓	✓	✓	✓✓								
22	22	116	10	10.2			✓			✓	✓	✓	✓			
23	23	117	0	2.3	✓	✓	✓	✓✓								
24	24	118	0	2.3			✓			✓	✓	✓	✓	✓		

Profile type:
Ros (default) | TrMetIRos | X-Niskin
Watchkeeper(s):
TF, CW, DS, SP

Bottom Depth: 375 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>20:52</u>	<u>13:52</u>
Bottom (BO)	<u>21:00</u>	<u>14:00</u>
End (EN)	<u>21:16</u>	<u>14:16</u>

Positional Information

Lat:	<u>53° 44' .308</u>	N
Lon:	<u>129° 01' .573</u>	W

Bottom

Lat:	<u>53° 44' .300</u>	N
Lon:	<u>129° 01' .549</u>	W

Finish

Lat:	<u>53° 44' .294</u>	N
Lon:	<u>129° 01' .565</u>	W

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

CHEM + PARTICLES

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54 Station: DOUG 16 Event #: 45 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 18 Oct 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		TOC	DOC	POC	818		SC		
1	1	119	0-5	379.5	✓	✓											
2	2	120	0-5	379.5											✓✓		PARTICLES
3	3	121	350	350.4	✓	✓											
4	4	122	300	300.7	✓	✓											
5	5	123	250	252	✓✓	✓✓											Dups
6	6	124	200	200.4	✓	✓											
7	7	125	150	150.2	✓	✓											
8	8	126	100	100.4	✓	✓											
9	9	127	75	75.4	✓	✓											
10	10	128	50	50	✓	✓	*bottle did not fire*										
11	11	129	30	30.3	✓	✓											
12	12	130	20	19.8	✓✓	✓✓		✓✓									Dup ³
13	13	131	10	9.9	✓	✓		✓✓									
14	14	132	0	2.2			✓		✓✓	✓✓	✓✓	✓✓	✓✓				Dup ²
15	15	133	0	2.2	✓	✓	✓	✓✓									
16	16	134	0	2.2											✓✓		Particles
17		135	surf	bucket											✓✓		bucket
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
Ros (default) TrMetIRos X-Niskin
Watchkeeper(s):
TF, DS, SP

Bottom Depth:	386	m
Transmisso Cleaned:	(Y) / N	
Fluorometer Cleaned:	Y / N	

Time	UTC	Local
Start (BE)	23:49	16:49
Bottom (BO)	23:57	16:57
End (EN)	00:14	17:14

Positional Information
Lat: 53° 46' . 688 N
Lon: 128° 54' . 714 W

Start

Lat: 53° 46' . 687 N
Lon: 128° 54' . 728 W

Bottom

Lat: 53° 46' . 670 N
Lon: 128° 54' . 725 W

Finish

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

surface bucket concurrent with Pp CTD

CHEM + PARTICLES

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54

Station: 2016-11

Event #: 47

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 19 | Oct | 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		TOC	DOC	CDOM	818	phyto	SPC		
1	1	136	0-5	325.8	✓	✓											
2	2	137	0-5	325.8											✓✓		Particles
3	3	138	300	300.5	✓	✓											
4	4	139	250	250.7	✓	✓											
5	5	140	200	200.6	✓	✓											
6	6	141	150	150.5	✓✓	✓✓											Dups
7	7	142	100	100.2	✓	✓											
8	8	143	75	75.4	✓	✓											
9	9	144	50	50.5	✓	✓											
10	10	145	30	29.9	✓	✓											
11	11	146	20	20.1	✓	✓		✓✓									
12	12	147	10	10.3	✓✓	✓✓		✓✓									Dups
13	13	148	0	2.2	✓	✓	✓	✓									
14	14	149	0	2.2			✓			✓✓	✓✓	✓✓	✓✓	✓			Dups
15	15	150	0	2.2											✓✓		Particles
16		151	surf	bucket											✓✓		Bucket
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:

Ros (default) | TrMetlRos | X-Niskin

Watchkeeper(s):

TF, DS

Bottom Depth: 330 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	01 : 41	18 : 41
Bottom (BO)	01 : 48	18 : 48
End (EN)	02 : 03	19 : 03

Positional Information

Lat:	53 ° 49 . 808	N
Lon:	128 ° 49 . 342	W

Start

Lat:	53 ° 49 . 812	N
Lon:	128 ° 49 . 319	W

Bottom

Lat:	53 ° 49 . 795	N
Lon:	128 ° 49 . 304	W

Finish

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

Standards for Sample Collection: WaterProperties.ca/standards

Version: 14 February 2013

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

surface bucket concurrent with 19p CTD.

SUPERCHEM ± PARTICLES

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54 Station: DOUG 4 Event #: 51 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 19 | 10 | 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		TOC	DOC	Chlorophyll	SRP	phosphate	SPC		
1		152	b-5	✓	216	✓	✓										
2		153	b-5	✓	216					✓	✓	✓	✓				
3		154	b-5	✓	216										✓	✓	PARTICLES
4		155	200	✓	200					✓	✓	✓	✓				
5		156	200	✓	200	✓	✓										
6		157	150	✓	150					✓	✓	✓	✓				
7		158	150	✓	150	✓	✓										
8		159	100	✓	100					✓	✓	✓	✓				
9		160	100	✓	100	✓	✓										Dups
10		161	75	✓	75					✓	✓	✓	✓				
11		162	75	✓	75	✓	✓										
12		163	50	✓	50					✓	✓	✓	✓				
13		164	50	✓	50	✓	✓										
14		165	30	✓	30					✓	✓	✓	✓				Dups
15		166	30	✓	30	✓	✓										Dups
16		167	20	✓	20					✓	✓	✓	✓				
17		168	20	✓	20	✓	✓		✓								
18		169	10	✓	10					✓	✓	✓	✓				
19		170	10	✓	10	✓	✓		✓								
20		171	0	✓	2.4			✓		✓	✓	✓	✓	✓			
21		172	0	✓	2.4	✓	✓	✓	✓								
22		173	0	✓	2.4										✓	✓	particles
23		174	surf												✓	✓	bucket
24																	

Profile type:
 Ros (default) | TrMetlRos | X-Niskin
 Watchkeeper(s):
DS/SP/TF

Bottom Depth: 216 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 03:32 :
 Bottom (BO) 03:39 :
 End (EN) : :

Positional Information
 Start
 Lat: 53° 55.624 N
 Lon: 128° 42.226 W
 Bottom
 Lat: ° 55.619 N
 Lon: ° 42.436 W
 Finish
 Lat: ° 55.626 N
 Lon: 42.209 W

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

surface bucket to be taken concurrently with 19 p STD

CHEM & PARTICLES

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54 Station: KSKI Event #: 543 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 19 Oct 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		TOC	DOC	CDOM	Fluor	518		SPL	
1		175	6-5	✓	376	✓	✓										Dups
2		176	6-5	✓	376											✓✓	PARTICLES
3		177	300	✓		✓	✓										
4		178	250	✓		✓	✓										
5		179	200	✓		✓	✓										
6		180	200	✓												✓✓	PARTICLES
7		181	150	✓		✓	✓										
8		182	100	✓		✓	✓										
9		183	100	✓												✓✓	PARTICLES
10		184	75	✓		✓	✓										
11		185	50	✓		✓	✓										Dups
12		186	50	✓												✓✓	PARTICLES
13		187	30	✓		✓	✓										
14		188	20	✓		✓	✓	✓✓									
15		189	10	✓		✓	✓	✓✓									
16		190	0				✓		✓	✓	✓	✓					NO DUPS!
17		191	0			✓	✓	✓✓									
18		192	0													✓✓	PARTICLES
19		193	surf													✓✓	bucket
20																	
21																	
22																	
23																	
24																	

Profile type:
Ros (default) TrMetlRos X-Niskin
Watchkeeper(s):
OW, LP, MB

Bottom Depth:	379	m
Transmisso Cleaned:	Y / N	
Fluorometer Cleaned:	Y / N	

Time	UTC	Local
Start (BE)	08:15	01:15
Bottom (BO)	08:27	01:27
End (EN)	08:45	01:45

Positional Information
Lat: 53 ° 28 . 544 N
Lon: 128 ° 12 . 454 W

Lat: 53 ° 28 . 394 N
Lon: 128 ° 12 . 584 W

Lat: 53 ° 28 . 232 N
Lon: 128 ° 12 . 690 W

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

surface bucket taken concurrently with 19p cast.

PARTICLE CAST

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54 Station: SC61 Event #: 56 Vessel: VICTOR UTC Date (dd|mmm|yyyy): 19|OCT|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								
1		218	b-5	✓	504											
2		219	b-5	✓	504											
3		220	b-5	✓	504				✓✓✓							
4		221	100	✓	100				✓✓✓							
5		222	20	✓	20				✓✓✓							
6		223	0	✓	2.2				✓✓✓							
7		224	surf						✓✓✓							
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
 Ros (default) | TrMetRos | X-Niskin
 Watchkeeper(s):
DM, LP, MB

Bottom Depth: 517 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>11:51:04</u>	<u>04:51</u>
Bottom (BO)	<u>12:02</u>	<u>05:02</u>
End (EN)	<u>12:14</u>	<u>05:14</u>

Positional Information

Start	Lat: <u>53° 11.989</u> N
	Lon: <u>129° 25.098</u> W
Bottom	Lat: <u>53° 11.927</u> N
	Lon: <u>129° 25.098</u> W
Finish	Lat: <u>53° 11.872</u> N
	Lon: <u>129° 25.144</u> W

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

Surface bucket taken concurrently with 19p. CTD

SUPERCHEM

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54 Station: SC61 Event #: 57 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 19 Oct 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		TOC	DOC	POC	SiB	PhyC		
1		194	b-5	✓	504	✓	✓	✓								
2		195	b-5	✓	504			✓		✓	✓	✓	✓			
3		196	400	✓		✓	✓	✓								
4		197	400	✓			✓			✓	✓	✓	✓			
5		198	300	✓		✓✓	✓✓	✓								Dup3
6		199	300	✓			✓			✓	✓	✓	✓			
7		200	200	✓		✓	✓	✓								
8		201	200	✓			✓			✓	✓	✓	✓			
9		202	150	✓		✓	✓	✓								
10		203	150	✓			✓			✓	✓	✓	✓			
11		204	100	✓		✓	✓	✓								
12		205	100	✓			✓			✓	✓	✓	✓			
13		206	75	✓		✓	✓	✓								
14		207	75	✓			✓			✓✓	✓✓	✓✓	✓✓			Dups
15		208	50	✓		✓✓	✓✓	✓								Dups
16		209	50	✓			✓			✓	✓	✓	✓			
17		210	30	✓		✓	✓	✓								
18		211	30	✓			✓			✓	✓	✓	✓			
19		212	20	✓		✓	✓	✓	✓✓							
20		213	20	✓			✓			✓	✓	✓	✓			
21		214	10	✓		✓	✓	✓	✓✓							
22		215	10	✓			✓			✓	✓	✓	✓			
23		216	0	✓	2.5	✓	✓	✓	✓✓							
24		217	0	✓	2.5		✓			✓	✓	✓	✓	✓		

Profile type:
 Ros (default) | TrMetIRos | X-Niskin
 Watchkeeper(s):
OW, LP, MB

Bottom Depth: 516 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	12:29	05:29
Bottom (BO)	12:40	05:40
End (EN)	12:59	05:59

Positional Information

Lat: <u>53° 12.007</u> N
Lon: <u>129° 25.106</u> W

Start

Bottom

Finish

Lat: 53° 11.986 N
 Lon: 129° 25.097 W

Lat: 53° 11.912 N
 Lon: 129° 25.097 W

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

*modified standard depths

CHEM

+

PARTICLES COMBINED

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54 Station: DOUGLAS Event #: 63 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 19 | Oct | 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	TOC	DOC	CDOM	FB	SPC	Phyto	
1		225	b-5	✓	455	✓	✓		→ Taken from Bottle #2				✓		Dups
2		226	b-5	✓	455				didn't change labels				✓		PARTICLES
3		227	350	✓		✓	✓								
4		228	300	✓		✓	✓								
5		229	250	✓		✓	✓								
6		230	200	✓		✓	✓								
7		231	150	✓		✓	✓								
8		232	100	✓		✓	✓								
9		233	75	✓		✓	✓								
10		234	50	✓		✓	✓								
11		235	30	✓		✓	✓								Dups
12		236	20	✓		✓	✓	✓							
13		237	10	✓		✓	✓	✓							
14		238	0	✓	2.6		✓	✓	✓	✓	✓	✓		✓	Dups
15		239	0	✓	2.6	✓	✓	✓	✓	✓	✓	✓		✓	
16		240	0	✓	2.6								✓		PARTICLES
17		241	Surf										✓		BUCKET
18															
19															
20															
21															
22															
23															
24															

Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):
DW, LP, MB

Bottom Depth: 467 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	17:14	10:14
Bottom (BO)	17:26	10:24
End (EN)	17:44	10:44

Positional Information
Lat: 53 ° 22 . 172 N
Lon: 129 ° 11 . 730 W

Lat: 53 ° 22 . 032 N
Lon: 129 ° 11 . 743 W

Lat: 53 ° 21 . 934 N
Lon: 129 ° 11 . 764 W

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

Surface bucket concurrent with 19p CTD

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54 Station: DeC 210 Event #: 72 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 20 | Oct | 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	SPL	TDC	DOC	8B	CDOM	phyp			
1	1	242	100	100.6					✓✓								
2	2	243	20	20.5					✓✓								
3	3	244	0	2.3					✓✓								
4	4	245	0	2.3						✓	✓	✓	✓	✓			
5		246	surf						✓✓								
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):
TF, SP, DS

Bottom Depth: 166 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>03 : 25</u>	<u>20 : 25</u>
Bottom (BO)	<u>03 : 28</u>	<u>20 : 28</u>
End (EN)	<u>03 : 34</u>	<u>20 : 34</u>

Positional Information

Start	Lat: <u>53° 34' . 262</u> N
	Lon: <u>128° 51' . 026</u> W

Bottom

Lat: <u>53° 34' . 256</u> N
Lon: <u>128° 51' . 025</u> W

Finish

Lat: <u>63° 34' . 249</u> N
Lon: <u>128° 51' . 024</u> W

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

surface bucket with 19p cast.

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 205-84 Station: GC38 Event #: 75 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 20 | Oct | 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	SPC	TOC	DOC	SR	CDOM	phyc				
1		247	100						vv									
2		248	20						vv									
3		249	.0				✓		vv									
4		250	0							✓	✓	✓	✓	✓				NO DUPS
5		251	surf						vv									
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):
DW, LP, MB

Bottom Depth: 243 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>10:48</u>	<u>03:48</u>
Bottom (BO)	<u>11:00</u>	<u>04:00</u>
End (EN)	<u>11:05</u>	<u>04:05</u>

Positional Information
 Lat: 53° 27.004 N
 Lon: 128° 35.956 W

Bottom
 Lat: 53° 27.024 N
 Lon: 128° 35.899 W

Finish
 Lat: 53° 27.042 N
 Lon: 128° 35.836 W

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

Surface water 19p cast
 bucket

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54 Station: GC51 Event #: 77 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 20 OCT 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	SR	DOC	DOC	818	CO ₂	ph		td
1		252	100	✓ 100					✓✓							
2		253	20	✓ 20					✓✓							
3		254	0				✓		✓✓							
4		255	0							✓	✓	✓	✓	✓		
5		256	surf						✓✓							bucket
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):
DW, CP, MB

Bottom Depth: 500 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>12:50</u>	:
Bottom (BO)	<u>13:00</u>	:
End (EN)	<u>13:08</u>	:

Positional Information

Lat:	.	N
Lon:	.	W

Start

Lat:	<u>53° 28.374</u>	N
Lon:	<u>128° 18.912</u>	W

Bottom

Lat:	<u>53° 28.362</u>	N
Lon:	<u>128° 18.883</u>	W

Finish

Lat:	<u>53° 28.362</u>	N
Lon:	<u>128° 18.883</u>	W

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

surface bucket concurrent with 19p cast

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: _____

Station: GC74

Event #: GC74 80

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 20 | OCT | 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										
1		257	0					✓✓✓										
2		258	surf					✓✓✓										
3																		
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):
DW, LP, MB

Bottom Depth: 137 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 16:12 :
 Bottom (BO) 16:18 :
 End (EN) : :

Positional Information
 Start
 Lat: 53° 15.781 N
 Lon: 127° 55.436 W
 Bottom
 Lat: 53° 15.790 N
 Lon: 127° 55.424 W
 Finish
 Lat: ° . N
 Lon: ° . W

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

surf + 19p.

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-43

Station: UC 43

Event #: 87

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 20 | Oct | 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									
1	1	259	0	2.4													
2	bucket	260	surf														
3																	
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):
TF, SP

Bottom Depth: 111 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

	UTC	Local
Start (BE)	22:51	15:51
Bottom (BO)	22:53	15:53
End (EN)	22:56	15:56

Positional Information

Lat:	<u>53° 29.039</u>	N
Lon:	<u>128° 58.649</u>	W

Bottom

Lat:	<u>53° 29.045</u>	N
Lon:	<u>128° 58.658</u>	W

Finish

Lat:	<u>53° 29.048</u>	N
Lon:	<u>128° 58.668</u>	W

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

Standards for Sample Collection: WaterProperties.ca/standards

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54 Station: AP9 Event #: 100 Vessel: VECTER UTC Date (dd|mmm|yyyy): 22 | Oct | 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										
1	1	261	h-5	22.4	✓	✓												
2	2	262	200	200.4	✓	✓												
3	3	263	150	150.5	✓	✓												
4	4	264	100	100.2	✓	✓												
5	5	265	75	75.4	✓	✓												
6	6	266	30	30.8	✓✓	✓✓												
7	7	267	20	20.4	✓	✓		✓✓										
8	8	268	10	9.8	✓	✓		✓✓										
9	9	269	0	2.4	✓	✓		✓✓										
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
 Ros (default) | TrMetlRos | X-Niskin
 Watchkeeper(s):
TF, SP, DS

Bottom Depth: 250 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>02 : 06</u>	<u>19 : 06</u>
Bottom (BO)	<u>02 : 11</u>	<u>19 : 11</u>
End (EN)	<u>02 : 22</u>	<u>19 : 22</u>

Positional Information

Lat:	<u>53 ° 50 . 454</u>	N
Lon:	<u>128 ° 42 . 803</u>	W

▼

Lat:	<u>53 ° 50 . 449</u>	N
Lon:	<u>128 ° 42 . 798</u>	W

▼

Lat:	<u>53 ° 50 . 426</u>	N
Lon:	<u>128 ° 42 . 768</u>	W

Extra comments: (e.g., DMS cast, PAR on, Heavy Rain, Niskins out of order, etc)
big beam transmission deflector @ 5-15m on downcast

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-84 Station: AP11 Event #: 101 Vessel: V6080K UTC Date (dd|mmm|yyyy): 22 | Oct | 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											
1	1	270	6.5	alt = 3.3 100.6	✓	✓													
2	2	271	100	100.6	✓	✓													
3	3	272	75	75.6	✓	✓													
4	4	273	50	50.3	✓	✓													
5	5	274	30	30.2	✓	✓													
6	6	275	20	20.5	✓	✓		✓	✓										
7	7	276	10	10	✓	✓		✓	✓										
8	8	277	0	2.5	✓	✓		✓	✓										
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):
TF, DS, SP

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

Time	UTC	Local
Start (BE)	02:54	19:54
Bottom (BO)	02:58	19:58
End (EN)	03:07	20:07

Positional Information
Start
Lat: 53° 49' .024 N
Lon: 128° 42' .786 W

Bottom
Lat: 53° 49' .034 N
Lon: 128° 42' .775 W

Finish
Lat: 53° 49' .049 N
Lon: 128° 42' .740 W

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

particles only.

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54 Station: VP39 Event #: 112 Vessel: Vector UTC Date (dd|mmm|yyyy): 22 | Oct | 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											
1	1	238	20	✓					///										
2	2	239	0	2.6					///										
3																			
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):
TF, DS

Bottom Depth: 130 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 20:28 13:28
Bottom (BO) 20:31 13:31
End (EN) 20:36 13:36

Positional Information
Start
Lat: 53°30'421 N
Lon: 129°03'823 W

Bottom
Lat: 53°30'425 N
Lon: 129°03'821 W

Finish
Lat: 53°30'428 N
Lon: 129°03'833 W

Extra comments: (e.g., DMS cast, PAR on, Heavy Rain, Niskins out of order, etc)
no beam transmission
deflection layer

Standard Chem

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54

Station: WS12

Event #: 124

Vessel: Vector

UTC Date (dd|mmm|yyyy): 23 | Oct | 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							
1	1	280	6-5	485	✓✓	✓✓									
2	2	281	400	399.1	✓	✓									
3	3	282	300	300.5	✓	✓									
4	4	283	250	250.2	✓	✓									
5	5	284	200	200.3	✓	✓									
6	6	285	150	150.4	✓✓	✓✓									
7	7	286	100	101	✓	✓									
8	8	287	75	75.5	✓	✓									
9	9	288	50	50.7	✓	✓									
10	10	289	30	30.8	✓	✓									
11	11	290	20	20.5	✓	✓		✓✓							
12	12	291	10	10.5	✓	✓		✓✓							
13	13	292	0	2.5	✓	✓		✓✓							
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
 Ros (default) | TrMetlRos | X-Niskin
 Watchkeeper(s):
 TF, DS, SP

Bottom Depth: 486 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	05:33	22:33
Bottom (BO)	05:43	22:43
End (EN)	06:02	23:02

Positional Information

Start	Lat: 53° 20.345' N
	Lon: 129° 16.254' W

Bottom

Lat: 53° 20.344' N
Lon: 129° 16.296' W

Finish

Lat: 53° 20.334' N
Lon: 129° 16.238' W

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

Standards for Sample Collection: WaterProperties.ca/standards

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54 Station: DOUGO.2 Event #: 133 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 23|OCT|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	TOC	DOC	CDOM	818	phyp	SPC			
1		293	D-5	✓ 88	✓✓	✓✓											
2		294	30	✓ 30	✓	✓											
3		295	20	✓ 20	✓	✓		✓✓									
4		296	10	✓ 10	✓	✓		✓✓									
5		297	0	✓ 2.2	✓	✓		✓✓									
6		298	0	✓ 2.2			✓		✓	✓	✓	✓	✓				ONLY 1 label.
7		299	0	✓ 2.2										✓			
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):
DW, LP, MB

Bottom Depth: 92 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 15:44 08:40
Bottom (BO) 15:49 08:49
End (EN) 15:55 :

Positional Information
Start
Lat: 53° 59.227' N
Lon: 128° 40.456' W

Bottom
Lat: 53° 59.224' N
Lon: 128° 40.444' W

Finish
Lat: ° ' N
Lon: ° ' W

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

Note please take 3x1L for SPC - please do a 19p cast but no bucket

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54

Station: DOUGO.4

Event #: 136

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 23 OCT 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		DOC	DOC	CDOM	818	phylb	SPC		
1		300	10-5	✓ 110	✓	✓											
2		301	75	✓ 75	✓	✓											
3		302	50	✓ 50	✓	✓											
4		303	30	✓ 30	✓	✓											
5		304	20	✓ 20	✓	✓		✓	✓								
6		305	10	✓ 10	✓	✓		✓	✓								
7		306	0	✓ 2.3	✓	✓		✓	✓								
8		307	0	✓ 2.3			✓			✓	✓	✓	✓	✓			
9		308	0	✓ 2.3											✓		1616L
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
 Ros (default) | TrMetlRos | X-Niskin
 Watchkeeper(s):
OW, LP, MB

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

Time	UTC	Local
Start (BE)	<u>17:13</u>	:
Bottom (BO)	<u>17:17</u>	:
End (EN)	<u>17:23</u>	:

Positional Information

Lat:	<u>53° 59.086</u>	N
Lon:	<u>128° 40.387</u>	W

▼

Lat:	<u>53° 59.084</u>	N
Lon:	<u>128° 40.400</u>	W

▼

Lat:	<u>53° 59.084</u>	N
Lon:	<u>128° 40.028</u>	W

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

Standards for Sample Collection: WaterProperties.ca/standards

SPC = 3x1L

- please do a 19p cast but no bucket

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54

Station: DOUG 1W

Event #: 138

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 23 OCT 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	TOC	DOC	CDOM	818	phlo	SPC			
1		309	6-5	✓	142.2	✓	✓										
2		310	50	✓	50	✓	✓										
3		311	30	✓	30	✓	✓										
4		312	20	✓	20	✓	✓	✓									
5		313	10	✓	10	✓	✓	✓									
6		314	0				✓	✓	✓	✓	✓	✓	✓				
7		315	0			✓	✓	✓						✓			label
8		316	0														
9		313	10	✓	10	✓	✓	✓									
10		314	0	✓	2.2		✓	✓	✓	✓	✓	✓	✓				
11		315	0	✓	2.7	✓	✓	✓									
12		316	0	✓	2.7												
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):
DW, LP, MB

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

Time	UTC	Local
Start (BE)	18:11	:
Bottom (BO)	18:16	:
End (EN)	18:26	:

Positional Information

Start	Lat: 53° 58.704 N
	Lon: 128° 40.544 W

Bottom

Lat: 53° 58.708 N
Lon: 128° 40.544 W

Finish

Lat: 53° 58.712 N
Lon: 128° 40.571 W

Extra comments: (e.g., DMS cast, PAR on, Heavy Rain, Niskins out of order, etc)
no samples from btl on crossed out lines.

Standards for Sample Collection: WaterProperties.ca/standards

SPC = 3x1L

Please do a 19p cast but no bucket

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54

Station: DOUG2

Event #: 142

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 23 | Oct | 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	TDC	DOC	CDOM	818	PLUTO	SPC				
1	1	317	6-5	16.9	✓	✓												
2	2	318	150	150.5	✓	✓												
3	3	319	100	100.9	✓	✓												
4	4	320	75	75.1	✓	✓												
5	5	321	50	50.5	✓	✓												
6	6	322	30	30.5	✓	✓												
7	7	323	20	20.4	✓	✓		✓										
8	8	324	10	10.3	✓	✓		✓										
9	9	325	0	2.4	✓	✓		✓										
10	10	326	0	2.4			✓		✓	✓	✓	✓	✓	✓				
11	11	327	0	2.4														1 label
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):
TF, DS, SP

Bottom Depth: 184 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	22:57	15:57
Bottom (BO)	22:02	15:02
End (EN)	22:11	15:11

Positional Information

Start
Lat: 53° 57' .824 N
Lon: 128° 40' .637 W

Bottom
Lat: 53° 57' .816 N
Lon: 128° 40' .636 W

Finish
Lat: 53° 57' .816 N
Lon: 128° 40' .628 W

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

Standards for Sample Collection: WaterProperties.ca/standards

SPC = 3x1L

DO 19p cast but no bucket

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54

Station: DOUG 3

Event #: 146

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 24 | Oct | 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									
1	1	328	10-5	191.3	✓	✓											
2	2	329	150	150.1	✓	✓											
3	3	330	100	99.9	✓	✓											
4	4	331	75	75.5	✓	✓											
5	5	332	50	50.7	✓	✓											
6	6	333	30	30.8	✓	✓											
7	7	334	20	20.4	✓	✓		✓	✓								
8	8	335	10	10.4	✓	✓		✓	✓								
9	9	336	0	2.6	✓	✓											
10	10	337	0	2.6			✓		✓	✓	✓	✓	✓				1 label.
11	11	338	0	2.6													
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
 Ros (default) | TrMetRos | X-Niskin
 Watchkeeper(s):
TF, DS, SP

Bottom Depth: 195 m
 Transmissometer Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	01:02	18:02
Bottom (BO)	01:06	18:06
End (EN)	01:16	18:16

Positional Information

Start	Lat: <u>53° 56' .846</u> N
	Lon: <u>128° 41' .029</u> W

Bottom

	Lat: <u>53° 56' .855</u> N
	Lon: <u>128° 41' .045</u> W

Finish

	Lat: <u>53° 56' .851</u> N
	Lon: <u>128° 41' .038</u> W

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

Standards for Sample Collection: WaterProperties.ca/standards

SFC = 3x14

please do a 19p cast
but no bucket

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54

Station: DOUG 4

Event #: 150

Vessel: VECTOR

UTC Date (dd|mmm|yyyy): 24 | Oct | 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	TOC	DOC	CO ₂	SIB	Phyto	SPC				
1	1	339	0-5	216.3	✓	✓												
2	2	340	150	150.6	✓	✓												
3	3	341	100	100.5	✓	✓												
4	4	342	75	75.1	✓	✓												
5	5	343	50	50.5	✓	✓												
6	6	344	30	30.1	✓	✓												
7	7	345	20	20.7	✓	✓		✓										
8	8	346	10	10.7	✓	✓		✓										
9	9	347	0	2.4	✓	✓		✓										
10	10	348	0	2.4			✓		✓	✓	✓	✓	✓					1 label.
11	11	349	0	2.4														
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
 Ros (default) | TrMetlRos | X-Niskin
 Watchkeeper(s):
TF, SP, DS

Bottom Depth: 220 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 02:27 19:27
 Bottom (BO) 02:32 19:32
 End (EN) 02:42 19:42

Positional Information
 Start
 Lat: 53° 55' 615 N
 Lon: 128° 42' 235 W
 Bottom
 Lat: 53° 55' 621 N
 Lon: 128° 42' 236 W
 Finish
 Lat: 53° 55' 624 N
 Lon: 128° 42' 251 W

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

Standards for Sample Collection: WaterProperties.ca/standards

SPC = 3x1L

please do a 19p cast but no bucket

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54

Station: W54

Event #: 187

Vessel: Vecor

UTC Date (dd|mmm|yyyy): 25 | 10 | 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									
1		350	6-5	✓ 457	✓✓	✓✓											
2		351	400	✓ 400	✓	✓											
3		352	300	✓ 300	✓	✓											
4		353	250	✓ 249	✓	✓											
5		354	200	✓ 200	✓	✓											
6		355	150	✓ 149	✓✓	✓✓											
7		356	100	✓ 99.9	✓	✓											
8		357	75	✓ 75	✓	✓											
9		358	50	✓ 50	✓	✓											
10		359	30	✓ 30	✓	✓											
11		360	20	✓ 20	✓	✓		✓✓									
12		361	10	✓ 10	✓	✓		✓✓									
13		262	0	✓ 2.6	✓	✓		✓✓									
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 460 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 17:16 :
 Bottom (BO) 17:28 :
 End (EN) 17:47 :

Positional Information
 Start
 Lat: 53° 20.628 N
 Lon: 129° 12.050 W
 Bottom
 Lat: 53° 20.644 N
 Lon: 129° 12.049 W
 Finish
 Lat: 53° 20.656 N
 Lon: 129° 12.031 W

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

Standards for Sample Collection: WaterProperties.ca/standards

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-54 Station: GRC6 Event #: 190 Vessel: Vector UTC Date (dd|mmm|yyyy): 25 | Oct | 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											
1	1	363	6-5	363	✓✓	✓✓													
2	2	364	200	200.4	✓	✓													
3	3	365	150	150.4	✓	✓													
4	4	366	100	100.5	✓	✓													
5	5	367	75	75.9	✓✓	✓✓													
6	6	368	50	50.3	✓	✓													
7	7	369	30	30.7	✓	✓													
8	8	370	20	20.7	✓	✓		✓✓											
9	9	371	10	10.6	✓	✓		✓✓											
10	10	372	0	4.5	✓	✓		✓✓											
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):
TF, DS, SP

Bottom Depth: 316 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	19:25	12:25
Bottom (BO)	19:32	12:32
End (EN)	19:46	12:46

Positional Information

Lat:	53° 26.663	N
Lon:	129° 26.552	W

Bottom

Lat:	53° 26.653	N
Lon:	129° 26.537	W

Finish

Lat:	53° 26.642	N
Lon:	129° 26.532	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: 2015-54

Station: GRC16

Event #: 195

Vessel: Vector

UTC Date (dd|mmm|yyyy): 25 | Oct | 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									
1	1	373	6-5	89	✓	✓											
2	2	374	50	42.8	✓	✓											
3	3	375	30	30.4	✓	✓											
4	4	376	20	20.9	✓	✓		✓	✓								
5	5	377	10	11.6	✓	✓		✓	✓								
6	6	378	φ	2.8	✓	✓		✓	✓								
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):
TF, OS, SP

Bottom Depth: 96 m
 Transmissio Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>22 : 13</u>	<u>15 : 13</u>
Bottom (BO)	<u>22 : 17</u>	<u>15 : 17</u>
End (EN)	<u>22 : 22</u>	<u>15 : 22</u>

Positional Information

Lat:	<u>53 ° 33.744</u>	N
Lon:	<u>129 ° 38.570</u>	W

Bottom

Lat:	<u>53 ° 33.748</u>	N
Lon:	<u>129 ° 38.584</u>	W

Finish

Lat:	<u>53 ° 33.721</u>	N
Lon:	<u>129 ° 38.548</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: 2015-54 Station: GrC27 Event #: 201 Vessel: Vector UTC Date (dd|mmm|yyyy): 25 | Oct | 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										
1	1	379	6-5	212.3	✓	✓												
2	2	380	150	150.2	✓	✓												
3	3	381	100	100.8	✓	✓												
4	4	382	75	75.5	✓	✓												
5	5	383	50	50.5	✓	✓												
6	6	384	30	30.8	✓	✓												
7	7	385	20	20.2	✓	✓		✓										
8	8	386	10	10.8	✓	✓		✓										
9	9	387	φ	2.2	✓	✓		✓										bottle 9 triggered but did not close
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):
TF, SP, DS

Bottom Depth: 216 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	01:35	18:35
Bottom (BO)	01:40	18:40
End (EN)	01:50	18:50

Positional Information

Lat:	53° 43' .201	N
Lon:	129° 49' .274	W

Bottom

Lat:	53° 43' .200	N
Lon:	129° 49' .273	W

Finish

Lat:	53° 43' .205	N
Lon:	129° 49' .272	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: 2015-54 Station: GRC41 Event #: 205 Vessel: Vector UTC Date (dd|mmm|yyyy): 26 | Oct | 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										
1	1	388	b-5		✓	✓												
2	2	389	75	75.9	✓	✓												
3	3	390	50	50.5	✓	✓												
4	4	391	30	30.7	✓	✓												
5	5	392	20	20.5	✓	✓		✓	✓									
6	6	393	10	10.4	✓	✓		✓	✓									
7	7	394	φ	2.6	✓	✓		✓	✓									
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):
TF, DS, SP

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

Time	UTC	Local
Start (BE)	04:09	21:09
Bottom (BO)	04:12	21:12
End (EN)	04:20	21:20

Positional Information

Lat:	53° 53' . 198	N
Lon:	130° 04' . 956	W

▼

Lat:	53° 53' . 216	N
Lon:	130° 04' . 957	W

▼

Lat:	53° 53' . 220	N
Lon:	130° 04' . 962	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: 2015-54 Station: CA-D1 Event #: 219 Vessel: Vector UTC Date (dd|mmm|yyyy): 28|Oct|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										
1		395	5-5	✓ 248	X	X												] same depth tripped
2		396	250	✓ 248	X	X												
3		397	100	✓ 100	X	XX												
4		398	75	✓ 74	XX	X												
5		399	20	✓ 20	X	X												
6		400	10	✓ 11	X	X												
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):
SN/CH/PT

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

Time	UTC	Local
Start (BE)	<u>15:24</u>	:
Bottom (BO)	<u>15:42</u>	:
End (EN)	<u>15:55</u>	:

Positional Information

Lat:	<u>52° 53.779</u>	N
Lon:	<u>129° 32.300</u>	W

Bottom

Lat:	<u>52° 53.946</u>	N
Lon:	<u>129° 33.635</u>	W

Finish

Lat:	<u>52° 53.864</u>	N
Lon:	<u>129° 33.766</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: 2015-54 Station: WC69 Event #: 234 Vessel: Vector UTC Date (dd|mmm|yyyy): 30 | Oct | 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										
1		401	6-5	✓ 149	X	X												
2		402	100	✓ 100	X	XX												
3		403	75	✓ 75	X	X												
4		404	20	✓ 21	XX	X												
5		405	10	✓ 10	X	X												
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):
SM/CH/PT

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

Time	UTC	Local
Start (BE)	02:33	:
Bottom (BO)	02:38	:
End (EN)	02:45	:

Positional Information

Lat:	53° 5' .351	N
Lon:	129° 11' .582	W

▼

Lat:	53° 5' .358	N
Lon:	129° 11' .587	W

▼

Lat:	53° 5' .364	N
Lon:	129° 11' .590	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: 2015-5A

Station: WC 71B

Event #: 236

Vessel: Vector

UTC Date (dd|mmm|yyyy): 30 Oct 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									
1		406	5-5	✓ 573	xx		X										
2		407	250	✓ 250			X										
3		408	100	✓ 100													
4		409	75	✓ 75													
5		410	20	✓ 20		xx											
6		411	10	✓ 10		1											
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): SM/CH/PS

Bottom Depth: 445 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	04:04	:
Bottom (BO)	04:16	:
End (EN)	04:32	:

Positional Information

Start	Lat: <u>53° 3' .900</u> N
	Lon: <u>129° 17' .329</u> W

Bottom

Lat: <u>53° 3' .215</u> N
Lon: <u>129° 17' .371</u> W

Finish

Lat: <u>53° 3' .527</u> N
Lon: <u>129° 17' .461</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: 2015-54

Station: WC710

Event #: 242

Vessel: Vector

UTC Date (dd|mmm|yyyy): 30 | Oct | 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										
1		412	5-5	✓ 399	1													
2		413	250	✓ 250	xx		+											
3		414	100	✓ 100														
4		415	75	✓ 75														
5		416	20	✓ 20														
6		417	10	✓ 10		xx												
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):
sm

Bottom Depth: 350 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>10:54</u>	:
Bottom (BO)	<u>11:03</u>	:
End (EN)	<u>11:15</u>	:

Positional Information

Start	Lat: <u>53° 3.024</u> N
	Lon: <u>129° 15.976</u> W

Bottom

	Lat: <u>53° 2.999</u> N
	Lon: <u>129° 15.993</u> W

Finish

	Lat: <u>53° 2.954</u> N
	Lon: <u>129° 15.552</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: 2015-54 Station: WC712 Event #: 243 Vessel: Vector UTC Date (dd|mmm|yyyy): 30 | Oct | 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										
1		418	6-5	/	108	1	1											
2		419	75	/	75	1	xx											
3		420	20	/	20	xx	1											
4		421	10	/	10	1												
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):
SM

Bottom Depth: 110 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	11 : 51	:
Bottom (BO)	11 : 54	:
End (EN)	11 : 59	:

Positional Information

Lat:	53 ° 4 .166	N
Lon:	129 ° 14 .286	W

Bottom

Lat:	53 ° 4 .169	N
Lon:	129 ° 14 .305	W

Finish

Lat:	53 ° 4 .188	N
Lon:	129 ° 14 .336	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: 2015-54 Station: GC 38 Event #: 273 Vessel: Vector UTC Date (dd|mmm|yyyy): 1 Nov 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									
1		422	6-5	/	238	X	X										
2		423	75	/	25	X	X										
3		424	20	/	20	XX	X										
4		425	10	/	10	X	XX										
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Watchkeeper(s):
SM/CH/PJ

Bottom Depth: 241 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	04:51	:
Bottom (BO)	04:36	:
End (EN)	05:04	:

Positional Information

Start

Lat: 53° 27' .001 N

Lon: 128° 36' .017 W

Bottom

Lat: 53° 26' .986 N

Lon: 128° 35' .799 W

Finish

Lat: 53° 26' .998 N

Lon: 128° 35' .789 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: 2015-54 Station: SC74 Event #: 296 Vessel: Vector UTC Date (dd|mmm|yyyy): 21 Nov 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							
1		6-5	426	✓ 373											
2		250	427	✓ 250			X								
3		100	423	✓ 100	XX										
4		75	429	✓ 75											
5		20	430	✓ 20											
6		10	431	✓ 10		XX									
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):
SM/PT/CH

Bottom Depth: 370 m
Transmissio Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	11:17	:
Bottom (BO)	11:25	:
End (EN)	11:37	:

Positional Information
Start
Lat: 53° 0.660 N
Lon: 125° 15.804 W

Bottom
Lat: 53° 0.694 N
Lon: 125° 15.816 W

Finish
Lat: 53° 0.702 N
Lon: 125° 15.823 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: 201554 Station: SC64 Event #: 326 Vessel: Vector UTC Date (dd|mmm|yyyy): 3 Nov 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							
1		437	5-5	✓ 49.6	XX				Vents left open → no samples taken from 1, 2						
2		438	250	✓ 250.9			X								
3		439	100	✓ 99.9											
4		440	75	✓ 74.8											
5		441	20	✓ 19.7											
6		442	10	✓ 10.2		XX									
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):
PT & SR

Bottom Depth: 511 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 13:35 :
Bottom (BO) 13:45 :
End (EN) 14:01 :

Positional Information
Start Lat: 53° 08.802 N
Lon: 129° 23.504 W
Bottom Lat: 53° 08.848 N
Lon: 129° 23.495 W
Finish Lat: 53° 08.818 N
Lon: 129° 23.569 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: 2015-54

Station: WC50

Event #: 330

Vessel: Vento

UTC Date (dd|mmm|yyyy):

4 Nov 2015

[illegible]

Profile type:

Ros (default) | TrMetlRos | X-Niskin

Watchkeeper(s):

$$S_{\text{R}} / T / C_{\text{H}}$$

Bottom Depth: 516 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
-------------	------------	--------------

Start (BE)	03 24	:
------------	-------	---

Bottom (BO) 03:35

End (EN)	03:51
----------	-------

Positional Information

Lat: 53° 17' . 822 N

Lon: 129 ° 08 . 850 w

Lat: 53° 17' 82.2" N

Lon: 129 08 . 906 W

h Lat: 53 ° 17' 826 N

Lon: 129° 08' 31.6" 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: 2015-54 Station: VP42 Event #: 333 Vessel: Vector UTC Date (dd|mmm|yyyy): 4 Nov 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									
1		451	6.5	✓ 19.9													
2		452	17.5	✓ 175.7													
3		453	150	✓ 150.9													
4		454	12.5	✓ 125.1													
5		455	100	✓ 100.8		XX											
6		456	7.5	✓ 75.5													
7		457	50	✓ 50.5													
8		458	30	✓ 30.4	XX		XX										
9		459	20	✓ 20.7			XX										
10		460	10	✓ 10.5			XX										
11		461	0	✓ 2.9													
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 202 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	06:00	:
Bottom (BO)	06:06	:
End (EN)	06:19	:

Positional Information

Lat:	53 ° 28 . 260	N
Lon:	129 ° 04 . 390	W

▼

Lat:	53 ° 28 . 270	N
Lon:	129 ° 04 . 398	W

▼

Lat:	53 ° 28 . 271	N
Lon:	129 ° 04 . 420	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: 2015-54 Station: VP 36 Event #: 334 Vessel: Vector UTC Date (dd|mmm|yyyy): 4 | Nov | 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										
1		462	5-5	✓ 260.6														
2		463	200	✓ 200														
3		464	175	✓ 176														
4		465	150	✓ 149.3	XX													
5		466	125	✓ 125.6														
6		467	100	✓ 100.4														
7		468	75	✓ 75.2														
8		469	50	✓ 50.5														
9		470	30	✓ 28.9		XX		XX										
10		471	20	✓ 19.9				XX										
11		472	10	✓ 10.5				XX										
12		473	0	✓ 2.5														
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 264 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>08:31</u>	:
Bottom (BO)	<u>08:38</u>	:
End (EN)	<u>08:54</u>	:

Positional Information

Lat:	<u>53° 33' .004</u>	N
Lon:	<u>129° 59' .718</u>	W

▼

Lat:	<u>53° 33' .017</u>	N
Lon:	<u>129° 59' .716</u>	W

▼

Lat:	<u>53° 33' .007</u>	N
Lon:	<u>129° 59' .695</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: 2015-54

Station: 0C45

Event #: 345

Vessel: Vector

UTC Date (dd|mmm|yyyy): 05 | NOV | 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										
1		474	5-5	✓393.5	x													
2		475	400	✓393.5			x											
3		476	300	✓300			x											
4		477	250	✓250	x													
5		478	200	✓200														
6		479	175	✓175														
7		480	150	✓150														
8		481	125	✓125														
9		482	100	✓100	xx													
10		483	75	✓75	x													
11		484	50	✓50		xx												
12		485	30	✓29.5				xx										
13		486	20	✓20.6	x			xx										
14		487	10	✓10	x			xx										
15		488	0	✓2.6														
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 407 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 05:14 :
 Bottom (BO) 05:22 :
 End (EN) 05:44 :

Positional Information
 Lat: 53°26.040 N
 Lon: 128°55.451 W

Lat: 53°26.032 N
 Lon: 128°55.471 W

Lat: 53°26.016 N
 Lon: 128°55.540 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: 2015-54 Station: VP36 Event #: 349 Vessel: Vector UTC Date (dd|mmm|yyyy): 05 | Nov | 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										
1		510	10	10.3				2										Sample # off sequence to sample layer
2																		
3																		
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):
PT

Bottom Depth: 261 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>07:38</u>	:
Bottom (BO)	<u>07:44</u>	:
End (EN)	<u>07:57</u>	:

Positional Information

Lat:	<u>53</u> ° <u>32</u> . <u>995</u> N
Lon:	<u>128</u> ° <u>59</u> . <u>693</u> W

▼

Lat:	<u>53</u> ° <u>32</u> . <u>998</u> N
Lon:	<u>128</u> ° <u>59</u> . <u>712</u> W

▼

Lat:	<u>53</u> ° <u>32</u> . <u>987</u> N
Lon:	<u>128</u> ° <u>59</u> . <u>695</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: 2015-54 Station: VP26 Event #: 352 Vessel: Vector UTC Date (dd|mmm|yyyy): 5 | Nov | 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	phya									
1		498	6.5	✓ 204	X													
2		499	200	✓ 200														
3		500	175	✓ 175														
4		501	150	✓ 150														
5		502	125	✓ 125														
6		503	100	✓ 100	X													
7		504	75	✓ 75	X													
8		505	50	✓ 50														
9		506	30	✓ 30				2										
10		507	20	✓ 20	XX	XX		2										
11		508	10	✓ 9.5	X	1		2										
12		509	0	✓ 3.1		1		1										
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 206 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	09:04	:
Bottom (BO)	09:10	:
End (EN)	09:24	:

Positional Information

Lat:	53 ° 32 . 820	N
Lon:	128 ° 53 . 236	W

▼

Lat:	53 ° 32 . 828	N
Lon:	128 ° 53 . 242	W

▼

Lat:	53 ° 32 . 810	N
Lon:	128 ° 53 . 215	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: 2015-54

Station: GIC29

Event #: 355

Vessel: Vector

UTC Date (dd|mmm|yyyy): 05 | Nov | 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									
1		511	6-5	✓ 190.4	X												
2		512	175	✓ 175													
3		513	150	✓ 150													
4		514	125	✓ 125													
5		515	100	✓ 100	XX												
6		516	75	✓ 75	X												
7		517	50	✓ 50													
8		518	30	✓ 31				2									
9		519	20	✓ 20	X	XX		2									
10		520	10	✓ 10	X	1		2									
11		521	0	✓ 2.8													
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 193 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	10 : 41	:
Bottom (BO)	10 : 46	:
End (EN)	10 : 53	:

Positional Information
Start
Lat: 53 ° 32 . 335 N
Lon: 128 ° 46 . 346 W

Bottom
Lat: 53 ° 32 . 332 N
Lon: 128 ° 46 . 344 W

Finish
Lat: 53 ° 32 . 317 N
Lon: 128 ° 46 . 315 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: 2015-54 Station: SC80 Event #: 298 Vessel: Vector UTC Date (dd|mmm|yyyy): 2 Nov 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											
1		432	6-5	✓ 238															
2		433	100	✓ 100															
3		434	75	✓ 75		xy													
4		435	20	✓ 20	xy														
5		436	10	✓ 10															
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):
SAL/PT/CH

Bottom Depth: 240 m
 Transmisso Cleaned: (Y) N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>13:34</u>	:
Bottom (BO)	<u>13:41</u>	:
End (EN)	<u>13:50</u>	:

Positional Information
 Lat: 52° 54.708 N
 Lon: 129° 15.960 W

Bottom
 Lat: 52° 54.730 N
 Lon: 129° 15.962 W

Finish
 Lat: 52° 54.743 N
 Lon: 129° 15.994 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: 2015-54

Station: Dec 22

Event #: 357

Vessel: Vector

UTC Date (dd|mmm|yyyy): 05 | Nov | 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										
1		522	6-5	✓ 183	X													
2		523	150	✓ 150														
3		524	125	✓ 125														
4		525	100	✓ 100	XX													
5		526	75	✓ 75	X													
6		527	50	✓ 50														
7		528	30	✓ 30		XX		2										
8		529	20	✓ 20	X			2										
9		530	10	✓ 10	X			2										
10		531	0	✓ 3.1														
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)	11:53	:
Bottom (BO)	11:58	:
End (EN)	12:09	:

Positional Information

Lat:	53 ° 36 . 748	N
Lon:	128 ° 50 . 736	W

Start

Bottom

Finish

Lat: 53 ° 36 . 762 N
 Lon: 128 ° 50 . 742 W

Lat: 53 ° 36 . 792 N
 Lon: 128 ° 50 . 747 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: 2015-54

Station: LP57

Event #: 361

Vessel: Vector

UTC Date (dd|mmm|yyyy): 05 | Nov | 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											
1		532	6-5	✓ 545		X													
2		533	250	✓		X													
3		534	100	✓		XX													
4		535	75	✓		X													
5		536	20	✓		X													
6		537	10	✓		X													
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):

Bottom Depth: 550 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>18:20</u>	:
Bottom (BO)	<u>18:21</u>	:
End (EN)	:	:

Positional Information
 Lat: 53 ° 15 ' 206 N
 Lon: 129 ° 18 ' 550 W

Bottom
 Lat: ° . N
 Lon: ° . W

Finish
 Lat: ° . N
 Lon: ° . 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: 201554 Station: D024 Event #: 364 Vessel: Vector UTC Date (dd|mmm|yyyy): 6 | Nov | 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									
1		539	6-5	✓ 216	X												
2		539	200	✓ 200			X										
3		540	175	✓ 175													
4		541	150	✓ 150													
5		542	125	✓ 125													
6		543	100	✓ 100	X												
7		544	75	✓ 75	X												
8		545	50	✓ 50													
9		546	30	✓ 30		XX		2									
10		547	20	✓ 20	XX			2									Nut not sampled
11		548	10	✓ 10	X			2	X								
12		549	0	✓ 2.8													
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 220 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 03 : 05 :
Bottom (BO) 03 : 11 :
End (EN) 03 : 25 :

Positional Information
Start
Lat: 53 ° 55 . 621 N
Lon: 128 ° 42 . 245 W
▼
Bottom
Lat: 53 ° 55 . 628 N
Lon: 128 ° 42 . 244 W
▼
Finish
Lat: 53 ° 55 . 626 N
Lon: 128 ° 42 . 214 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: 2015-54 Station: F001 Event #: 367 Vessel: Vector UTC Date (dd|mmm|yyyy): 06 | Nov | 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										
1		550	6-5	✓ 355	X													
2		551	300	✓ 300			X											
3		552	250	✓ 250	X		X											
4		553	200	✓ 200														
5		554	175	✓ 175														
6		555	150	✓ 150														
7		556	125	✓ 125		XX												
8		557	100	✓ 100	XX													
9		558	75	✓ 75	X													
10		559	50	✓ 50														
11		560	30	✓ 30				2										
12		561	20	✓ 20	X			2										
13		562	10	✓ 10	X			2										
14		563	0	✓ 2.6														
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 364 m
 Transmisso Cleaned: ☒ Y / ☐ N
 Fluorometer Cleaned: ☐ Y / ☒ N

Time	UTC	Local
Start (BE)	05 : 50	:
Bottom (BO)	05 : 58	:
End (EN)	06 : 18	:

Positional Information

Lat:	53 ° 43 . 930	N
Lon:	129 ° 02 . 009	W

▼

Lat:	53 ° 43 . 931	N
Lon:	129 ° 01 . 979	W

▼

Lat:	53 ° 43 . 932	N
Lon:	129 ° 01 . 980	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: 2015-54

Station: Doug 31

Event #: 369

Vessel: Vector

UTC Date (dd|mmm|yyyy): 06 | Nov | 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										
1		564	6-5	✓ 288	X													
2		565	250	✓ 250	X		X											
3		566	200	✓ 200														
4		567	175	✓ 175														
5		568	150	✓ 150														
6		569	125	✓ 125														
7		570	100	✓ 100	XX													
8		571	75	✓ 75	X													
9		572	50	✓ 50														
10		573	30	✓ 30		XX		2										
11		574	20	✓ 20	X			2										
12		575	10	✓ 10	X			2	X									
13		576	0	✓ 2.2														
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
☒ Ros (default) ☐ TrMetiRos ☐ X-Niskin
 Watchkeeper(s):
PT

Bottom Depth: 293 m
 Transmisso Cleaned: ☒ Y / ☐ N
 Fluorometer Cleaned: ☐ Y / ☐ N

Time	UTC	Local
Start (BE)	<u>07:33</u>	:
Bottom (BO)	<u>07:40</u>	:
End (EN)	<u>07:57</u>	:

Positional Information

Start	Lat: <u>53° 36' 649</u> N
	Lon: <u>129° 12' 784</u> W
Bottom	Lat: <u>53° 36' 660</u> N
	Lon: <u>129° 12' 791</u> W
Finish	Lat: <u>53° 36' 660</u> N
	Lon: <u>129° 12' 798</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: 2015-34 Station: D0540 Event #: 372 Vessel: Vector UTC Date (dd|mmm|yyyy): 6 | Nov | 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										
1		577	6-5	✓394	X													
2		578	300	✓301			X											
3		579	250	✓250	X		X											
4		580	200	✓201														
5		581	175	✓175														
6		582	150	✓150														
7		583	125	✓125														
8		584	100	✓100	X	XX												
9		585	75	✓75	XX													
10		586	50	✓50														
11		587	30	✓30				2										
12		588	20	✓20	X	XX		2										
13		589	10	✓10	X			2										
14		590	0	✓2.8					X									
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 398 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>09:41</u>	:
Bottom (BO)	<u>09:49</u>	:
End (EN)	<u>10:08</u>	:

Positional Information

Lat:	<u>53°26.753</u>	N
Lon:	<u>129°12.526</u>	W

▼

Lat:	<u>53°26.753</u>	N
Lon:	<u>129°12.547</u>	W

▼

Lat:	<u>53°26.768</u>	N
Lon:	<u>129°12.540</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: 2015-54

Station: W243

Event #: 373

Vessel: Vector

UTC Date (dd|mmm|yyyy): 06 Nov 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										
1		591	5-5	✓ 511	X													
2		592	500	✓ 501			X											
3		593	410	✓ 400			X											
4		594	300	✓ 300														
5		595	250	✓ 250	XX													
6		596	200	✓ 200		XX												
7		597	175	✓ 175														
8		598	150	✓ 150														
9		599	125	✓ 126														
10		600	100	✓ 100	X													
11		601	75	✓ 75	X													
12		602	50	✓ 50														
13		603	30	✓ 30		XX		2										
14		604	20	✓ 20	X			2										
15		605	10	✓ 10	X			2										
16		606	0	✓ 3.2														
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 515 m
 Transmisso Cleaned: (Y) N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>11:04</u>	:
Bottom (BO)	<u>11:15</u>	:
End (EN)	<u>11:39</u>	:

Positional Information

Lat:	<u>53° 21' .092</u>	N
Lon:	<u>129° 16' .488</u>	W

Start

Lat:	<u>53° 21' .119</u>	N
Lon:	<u>129° 16' .511</u>	W

Bottom

Lat:	<u>53° 21' .062</u>	N
Lon:	<u>129° 16' .436</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: 2015-54 Station: VC43 Event #: 478 Vessel: Vector UTC Date (dd|mmm|yyyy): 05 | Nov | 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											
1		489	55	✓106	X														Tripped but not sampled (depth)
2		490	125	✓106															
3		491	100	✓100	X														
4		492	75	✓75	X														
5		493	50	✓50.5		XX													
6		494	30	✓30				XX											
7		495	20	✓20	XX			XX											
8		496	10	✓10	X			XX											
9		497	0	✓2.9															
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 102 m
 Transmisso Cleaned: (✓)1 N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 06:52 :
 Bottom (BO) 06:56 :
 End (EN) 07:06 :

Positional Information
 Start
 Lat: 53 ° 29 . 010 N
 Lon: 128 ° 58 . 661 W
 Bottom
 Lat: 53 ° 29 . 020 N
 Lon: 128 ° 58 . 087 W
 Finish
 Lat: 53 ° 29 . 044 N
 Lon: 128 ° 58 . 685 W

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