Training Stn

Water Properties Group — Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-03 Station: Chp 1 Event #: 001 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 06 | 03 | 2015

	Bottles & Samples			Rosette Operation			Samples Taken (↓ write samplers' initials under each sample type)													Comments
	Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓	Confirmed Pressure	Oxy	Nut	Sal	Chl a	CDOM	TOC	DOC	δ^{18}	DIC					
	1		01	bot-5			✓	✓												shallower than expected.
1	2		02	350	✓	330	✓	✓												
2	3		03	300	✓	299	✓✓	✓✓												
3	4		04	250	✓	250	✓	✓												
4	5		05	200	✓	200	✓	✓												
5	6		06	150	✓	150	✓	✓												
6	7		07	100	✓	101	✓	✓												
7	8		08	75	✓	75	✓✓	✓✓												
8	9		09	50	✓	50	✓	✓												did not fire
9	10		10	30	✓	30	✓	✓												
10	11		11	20	✓	20	✓	✓		✓✓										
11	12		12	10	✓	10	✓	✓		✓✓										
12	13		13	0	✓	1	✓	✓	✓						✓					
13	14		14	0	✓	1			✓	✓✓	✓	✓	✓	✓						
	15																			
	16																			
	17																			
	18																			
	19																			
	20																			
	21																			
	22																			
	23																			
	24																			

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

Watchkeeper(s): all

Bottom Depth: 332 m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: (Y) / N

Time	*UTC*	*Local*
Start (BE)	15 : 20	:
Bottom (BO)	15 : 26	:
End (EN)	15 : 45	:

Positional Information

Start	Lat:	50° 20.784	N
	Lon:	125° 25.891	W
Bottom	Lat:	50° 20.764	N
	Lon:	125° 25.891	W
Finish	Lat:	50° 20.726	N
	Lon:	125° 25.944	W

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

Cloudy, calm.

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

Standards for Sample Collection: WaterProperties.ca/standards

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-03 Station: HEC-1 Event #: 006 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 07|03|2015

Bottles & Samples			Rosette Operation			Samples Taken (↓ *write samplers' initials under each sample type*)														Comments
Niskin #	Firing #	Sample #	Target Pressure	✓	*Confirmed* Pressure	Oxy	Nut	Sal	Chl a	DIC	TOC	DOC	CDOM	δ^{18}	phyto					
1		15	BOT-5		136.7	✓✓	✓	✓		✓✓										
2		16	BOT-5		136.7			✓			✓	✓	✓	✓						
3		17	100		100.2	✓	✓	✓		✓										
4		18	100		100.2			✓			✓✓	✓✓	✓✓	✓✓						
5		19	75		75.5	✓	✓	✓		✓										
6		20	75		75.5			✓			✓	✓	✓	✓						
7		21	50		50.5	✓✓	✓✓	✓		✓										
8		22	50		50.5			✓			✓	✓	✓	✓						
9		23	30		30.1	✓	✓	✓		✓										DID NOT FIRE
10		24	30		30.1			✓			✓	✓	✓	✓						all Chem from 10
11		25	20		20.2	✓	✓	✓		✓										
12		26	20		20.2			✓	✓✓		✓	✓	✓	✓						
13		27	10		9.8	✓	✓	✓		✓										
14		28	10		9.8			✓	✓✓		✓	✓	✓	✓						
15		29	0		1.6	✓	✓✓	✓		✓✓					✓					salinity sample was
16		30	0		1.6				✓✓		✓✓	✓✓	✓✓	✓✓						missed by samplers
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

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

Watchkeeper(s): CW/KS + Cast 8 characters.

Bottom Depth: 142 m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: Y / N

Time	*UTC*	*Local*
Start (BE)	16:24	:
Bottom (BO)	16:28	:
End (EN)	16:	:

Positional Information

Start	Lat: 52 ° 49 . 987 N	
	Lon: 129 ° 51 . 740 W	
Bottom	Lat: 52 ° 50 .015 N	
	Lon: 129 ° 51 .734 W	
Finish	Lat: 52 ° 50.089 N	
	Lon: 129 ° 51 .756 W	

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

Version: 14 February 2013 **Transmissometer and Fluorometer are to be cleaned before each cast -- do not use Ammonia products** **Standards for Sample Collection: WaterProperties.ca/standards**

See sampling notes in cruise log

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-03 Station: CS84 Event #: ~~12~~ 14 Vessel: Vector UTC Date (dd|mmm|yyyy): ____ | ____ | ____

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	δ^{18}	DIC					
1		41	6-5	✓	248	✓	✓												
2		42	250	✓	248	✓	✓												
3		43	200	✓	201.6	✓	✓												
4		44	150	✓	150	✓✓	✓✓												
5		45	100	✓	100	✓	✓												
6		46	75	✓	75.3	✓	✓												
7		47	50	✓	47.6	✓	✓												
8		48	30	✓	29.8	✓	✓												
9		49	20	✓	19.6	✓	✓		✓✓										
10		50	10	✓	10.1	✓✓	✓✓		✓✓										
11		51	0	✓	1.5	✓	✓	✓						✓✓					
12		52	0	✓	1.5			✓	✓✓	✓✓	✓✓	✓✓	✓✓						
13				✓	18.6														
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s):
KS, SV, LP, SP

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

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

Positional Information

Start	Lat: ° . N	
	Lon: ° . 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)

Version: 14 February 2013 **Transmissometer and Fluorometer are to be cleaned before each cast -- do not use Ammonia products** **Standards for Sample Collection: WaterProperties.ca/standards**

Water Properties Group — Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-03 Station: SC74 Event #: 015 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 08 | 03 | 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	δ^{18}	DIC					
1		53	hot-5	✓	374	✓	✓												
2		54	350	✓	349.8	✓	✓												
3		55	300	✓	300	✓✓	✓✓												
4		56	250	✓	250	✓	✓												
5		57	200	✓	200	✓	✓												
6		58	150	✓	150	✓	✓												
7		59	100	✓	100.2	✓	✓												
8		60	75	✓	75.2	✓	✓												
9		61	50	✓	50	✓	✓												
10		62	30	✓	30	✓✓	✓✓												
11		63	20	✓	19.8	✓	✓		✓✓										
12		64	10	✓	10	✓	✓		✓✓										
13		65	0	✓	1.3	✓		✓						✓✓					
14		66	0	✓	1.3			✓	✓✓	✓✓	✓✓	✓✓	✓✓						
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s): SV/KS/SP

Bottom Depth: 378 m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: Y / N

Time	*UTC*	*Local*
Start (BE)	06 : 23	:
Bottom (BO)	06 : 32	:
End (EN)	06 : 54	:

Positional Information

Start	Lat: 53° 0.69	N
	Lon: 129° 15.959	W
Bottom	Lat: 53° 0.697	N
	Lon: 129° 15.959	W
Finish	Lat: 53° 0.696	N
	Lon: 129° 15.906	W

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

Version: 14 February 2013 **Transmissometer and Fluorometer are to be cleaned before each cast -- do not use Ammonia products** **Standards for Sample Collection: WaterProperties.ca/standards**

Water Properties Group — Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-03 Station: SC69 Event #: 017 Vessel: VGCTOR UTC Date (dd|mmm|yyyy): 08 | MAR | 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		67		✓	685			✓✓											Calibration
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): SV

Bottom Depth: 689 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	*UTC*	*Local*
Start (BE)	07:30	23:30
Bottom (BO)	07:45	23:45
End (EN)	07:59	23:59

07 Mar 2015

Positional Information

Start	Lat: 53° 04.806 N	
	Lon: 129° 19.604 W	
Bottom	Lat: 53° 04.820 N	
	Lon: 129° 19.720 W	
Finish	Lat: 53° 04.835 N	
	Lon: 129° 19.895 W	

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

Version: 14 February 2013 **Transmissometer and Fluorometer are to be cleaned before each cast -- do not use Ammonia products** **Standards for Sample Collection: WaterProperties.ca/standards**

NOTE: 3 niskins tripped for CW - only 1 sample for Sal

ST2

Water Properties Group — Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-03 Station: SC6 Event #: 12 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 08 | Mar | 2015

Bottles & Samples			Rosette Operation			Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓	Confirmed Pressure	Oxy	Nut	Sal	Chl a	TOC	DOC	CDOM	δ18	DIC					
1		68	bot-5		505	✓✓	✓	✓						✓					
2		69	bot-5		505			✓		✓	✓	✓	✓						
3		70	400		400	✓	✓	✓						✓					
4		71	400		400			✓		✓	✓	✓	✓						
5		72	300		300	✓	✓	✓						✓✓					
6		73	300		300			✓		✓✓	✓✓	✓✓							
7		74	250		250	✓	✓✓	✓						✓					
8		75	250		250			✓		✓	✓	✓	✓						
9		76	200		200	✓	✓	✓						✓					
10		77	200		200			✓		✓	✓	✓	✓						
11		78	150		150	✓✓	✓	✓						✓					
12		79	150		150			✓		✓	✓	✓	✓						
13		80	100		100	✓	✓✓	✓						✓✓					
14		81	100		100			✓		✓	✓	✓	✓						
15		82	50		50	✓	✓	✓						✓					
16		83	50		50			✓		✓	✓	✓	✓						
17		84	30		30	✓	✓	✓						✓					
18		85	30		30			✓		✓✓	✓✓	✓✓	✓✓						
19		86	20		20	✓✓	✓✓	✓						✓					
20		87	20		20			✓	✓✓	✓	✓	✓	✓						
21		88	10		10	✓	✓	✓						✓					
22		89	10		10			✓	✓✓	✓	✓	✓	✓						
23		90	0		1.1	✓	✓	✓						✓✓					
24		91	0		1.1			✓	✓✓	✓	✓	✓	✓						

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

Watchkeeper(s): DW, CH, CW

Bottom Depth: 510 m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: (Y) / N

Time	UTC	Local
Start (BE)	14:07	07:07
Bottom (BO)	14:22	07:22
End (EN)	14:	:

Positional Information

Start	Lat: 53° 11.992 N	Lon: 129° 25.153 W	
Bottom	Lat: 53° 11.968 N	Lon: 129° 25.214 W	
Finish	Lat: 53° 11.937 N	Lon: 129° 25.214 W	

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

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

Standards for Sample Collection: WaterProperties.ca/standards

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Water Properties Group — Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-03 Station: DOUG45 Event #: 27 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 08 | Mar | 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	δ^{18}	DIC			phyto		
1		92	bot-5		458.5	✓	✓												
2		93	400		400	✓	✓	✓											
3		94	350		350	✓	✓✓												
4		95	300		300	✓	✓												
5		96	250		250	✓	✓												
6		97	200		200	✓✓	✓												
7		98	150		150	✓	✓												
8		99	100		100	✓	✓												
9		100	75		74.3	✓	✓												
10		101	50		49.9	✓	✓												
11		102	30		29.9	✓	✓✓												
12		103	20		19.9	✓✓	✓		✓✓										
13		104	10		9.8	✓	✓		✓✓										
14		105	0		1.1			✓	✓✓	✓✓	✓✓	✓✓	✓✓						
15		106	0		1.1	✓	✓	✓						✓✓			✓		
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s): CW; CH, DW, KS

Bottom Depth: 460 m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: (Y) / N

Time	*UTC*	*Local*
Start (BE)	18 : 23	11 : 23
Bottom (BO)	18 : 32	11 : 32
End (EN)	18 : 54	11 : 54

Positional Information

Start	Lat: 53 ° 22 . 234 N	
	Lon: 129 ° 11 . 693 W	
Bottom	Lat: 53 ° 22 . 217 N	
	Lon: 129 ° 11 . 773 W	
Finish	Lat: 53 ° 22 . 210 N	
	Lon: 129 ° 11 . 704 W	

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

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

Standards for Sample Collection: WaterProperties.ca/standards

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-03 Station: DOUGH Event #: 29 Vessel: Vector UTC Date (dd|mmm|yyyy): 9 | Mar | 2015

Bottles & Samples			Rosette Operation			Samples Taken (↓ *write samplers' initials under each sample type*)													Comments
Niskin #	Firing #	Sample #	Target Pressure	*Confirmed* ✓	Pressure	Oxy	Nut	Sal	Chl a	DIC	TOC	DOC	δ^{18}	CDOM	Phylo				
1		107	b-S	✓	213	✓	✓	✓		✓									
2		108	b-S	✓	213			✓			✓	✓	✓	✓					
3		109	200	✓	200	✓✓	✓	✓		✓									
4		110	200	✓	199.9			✓			✓✓	✓✓	✓✓	✓✓					
5		111	150	✓	150	✓	✓✓	✓		✓✓									
6		112	150	✓	150			✓			✓	✓	✓	✓					
7		113	100	✓	100	✓	✓✓	✓		✓									
8		114	100	✓	100			✓			✓✓	✓✓	✓✓	✓✓					
9		115	75	✓	75	✓✓	✓	✓		✓									
10		116	75	✓	75			✓			✓	✓	✓	✓					
11		117	50	✓	49.9	✓	✓	✓		✓✓									
12		118	50	✓	49.9			✓			✓	✓	✓	✓					
13		119	30	✓	29.8	✓	✓	✓		✓									
14		120	30	✓	29.8			✓			✓	✓	✓	✓					
15		121	20	✓	20	✓✓	✓	✓		✓									
16		122	20	✓	20			✓	✓✓		✓	✓	✓	✓					
17		123	10	✓	9.8	✓	✓✓	✓		✓✓									
18		124	10	✓	9.8			✓	✓✓		✓	✓	✓	✓					
19		125	0		1.2	✓	✓	✓		✓					✓				
20		126	0		1.2			✓	✓✓		✓	✓	✓	✓					
21																			
22																			
23																			
24																			

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

Watchkeeper(s): SV, KS, LP, SP

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

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

Positional Information

Start	Lat: ° . N	
	Lon: ° . 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)*

Version: 14 February 2013 **Transmissometer and Fluorometer are to be cleaned before each cast -- do not use Ammonia products** **Standards for Sample Collection: WaterProperties.ca/standards**

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-03 Station: DOUG11 Event #: 32 Vessel: Vector UTC Date (dd|mmm|yyyy): ____ | ____ | ____

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	δ^{18}	CFC	DIC					
1		127	6-5	✓	317	x	x												
2		128	300	✓	299.7	x	x	X											
3		129	250	✓	250	x	x												
4		130	200	✓	200	x	x												
5		131	150	✓	150	x	xx												
6		132	100	✓	100	xx	x												
7		133	75	✓	74.8	x	xx												
8		134	50	✓	50.1	xx	x												
9		135	30	✓	30	x	x												
10		136	20	✓	20	X	X		XX										
11		137	10	✓	10.6	X	x		xx										
12		138	0		0.4	X	X	x						xx					
13		139	0		0.4			X	xx	xx	xx	xx	xx						
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

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

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

Positional Information

Start	Lat: ° . N	
	Lon: ° . 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)

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

Standards for Sample Collection: WaterProperties.ca/standards

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-03 Station: DOU616 Event #: 73 Vessel: Vector UTC Date (dd|mmm|yyyy): 09 | MAR | 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	TOC	δ^{18}	CDOM	DIC					
1		140	b-5	✓	380	x	x												
2		141	300	✓	299.8	x	x												
3		142	250	✓	249.6	xx	xx												
4		143	200	✓	199.6	x	x												
5		144	150	✓	150.1	x	x												
6		145	100	✓	98.4	x	x												
7		146	75	✓	75	x	x												
8		147	50	✓	50	x	x												
9		148	30	✓	30	x	x												
10		149	20	✓	20.1	xx	xx		xx										
11		150	10		9.6	x	x		xx										
12		151	0		0.8	x	x	x						xx					
13		152	0		0.8			x	xx	xx	xx	xx	xx						
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s): SV

Bottom Depth: 385 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	*UTC*	*Local*
Start (BE)	0541	:
Bottom (BO)	0550	:
End (EN)	06:11	:

Positional Information

Start	Lat: 53 ° 46 . 793	N
	Lon: 128 ° 54 . 719	W
Bottom	Lat: 53 ° 46 . 787	N
	Lon: 128 ° 54 . 737	W
Finish	Lat: 53 ° 46 . 754	N
	Lon: 128 ° 54 . 762	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: 2015-03 Station: FOC1 Event #: 34 Vessel: Vector UTC Date (dd|mmm|yyyy): 09 | MAR | 2015

Bottles & Samples			Rosette Operation			Samples Taken (↓ *write samplers' initials under each sample type*)													Comments
Niskin #	Firing #	Sample #	Target Pressure	✓	*Confirmed* Pressure	Oxy	Nut	Sal	Chl a	DIC	DOC	TOC	δ^{18}	CDOM	Phyto				
1		153	b-5		342	x	x	x		x									
2		154	b-5		342			x			x	x	x	x					
3		155	300		299.5	x	x	x		x									
4		156	300		299.5			x			xx	xx	xx	xx					
5		157	250		249.4	x	x	x		x									
6		158	250		249.4			x			x	x	x	x					
7		159	200		199.5	x	x	x		x									
8		160	200		199.5			x			x	x	x	x					
9		161	150		149.7	xx	xx	x		x									
10		162	150		149.7			x			x	x	x	x					
11		163	100		100.0	x	x	x		xx									
12		164	100		100.0			x			x	x	x	x					
13		165	75		74.8	x	x	x		x									
14		166	75		74.8			x			x	x	x	x					
15		167	50		50.0	x	x	x		x									
16		168	50		50.0			x			x	x	x	x					
17		169	30		30.2	x	x	x		xx									
18		170	30		30.2			x			x	x	x	x					
19		171	20		20.1	x	x	x		x									
20		172	20		20.1			x	xx		xx	xx	xx	xx					
21		173	10		9.7	x	x	x		x									
22		174	10		9.7			x	xx		x	x	x	x					
23		175	0		1.1	xx	xx	x		x					x				
24		176	0		1.1			x	xx		x	x	x	x					

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

Watchkeeper(s): CH, CW, DW

Bottom Depth: 344 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	*UTC*	*Local*
Start (BE)	07:02	00:02
Bottom (BO)	07:11	00:11
End (EN)	07:27	00:27

Positional Information

Start	Lat: 53° 43.730	N
	Lon: 129° 02.657	W
Bottom	Lat: 53° 43.734	N
	Lon: 129° 02.682	W
Finish	Lat: 53° 43.708	N
	Lon: 129° 02.652	W

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

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

Standards for Sample Collection: WaterProperties.ca/standards

Water Properties Group — Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-03 Station: DOUG26 Event #: 38 Vessel: Vector UTC Date (dd|mmm|yyyy): 09 | 03 | 2015

Bottles & Samples			Rosette Operation			Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓	Confirmed Pressure	Oxy	Nut	Sal	Chl a	DIC	TOC	DOC	CDOM	δ18					
1		177	bot-5		393	✓	✓												
2		178	350		350	✓	✓												
3		179	300		300	✓✓	✓												
4		180	250		250	✓	✓✓												
5		181	200		200	✓	✓												
6		182	150		150	✓	✓												
7		183	100		100	✓	✓												
8		184	75		75	✓	✓												
9		185	50		49	✓✓	✓												
10		186	30		30	✓	✓✓												
11		187	20		20	✓	✓		✓✓										
12		188	10		10	✓	✓		✓✓										
13		189	0		1.5	✓	✓	✓											
14		190	0		1.5			✓	✓✓	✓✓	✓✓	✓✓	✓✓						
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s): CH, CW, DW

Bottom Depth: 400 m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	08:59	02:59
Bottom (BO)	09:10	02:10
End (EN)	:	:

Positional Information

Start	Lat: 53° 40.440 N	
	Lon: 129° 07.328 W	
Bottom	Lat: 53° 40.490 N	
	Lon: 129° 07.413 W	
Finish	Lat: 53° 40.427 N	
	Lon: 129° 07.310 W	

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

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

Standards for Sample Collection: WaterProperties.ca/standards

Water Properties Group — Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: _____ Station: DOUG-31 Event #: 39 Vessel: VECTOR UTC Date (dd|mmm|yyyy): 09 | 03 | 2015

Bottles & Samples			Rosette Operation			Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓	Confirmed Pressure	Oxy	Nut	Sal	Chl a	DIC	TOC	DOC	COD	δ18					
1		191	Dot-5	✓	290	✓	✓✓												
2		192	250	✓	250	✓	✓												
3		193	200	✓	200	✓	✓												
4		194	150	✓	150	✓✓	✓												
5		195	100	✓	100	✓	✓✓												
6		196	75	✓	75	✓	✓												
7		197	50	✓	50	✓	✓												
8		198	30	✓	30	✓	✓												
9		199	20	✓	19.4	✓✓	✓		✓✓										
10		200	10	✓	9.4	✓	✓		✓✓										
11		201	0	✓	1.4	✓	✓	✓		✓✓									
12		202	0	✓	1.4			✓	✓✓		✓✓	✓✓	✓✓	✓✓					
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s): CH, DW, CW

Bottom Depth: 295 m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: (Y) / N

Time	UTC	Local
Start (BE)	10:30	03:30
Bottom (BO)	10:40	03:40
End (EN)	10:57	03:57

Positional Information

Start	Lat: 53 ° 36 . 674 N	
	Lon: 129 ° 12 . 812 W	
Bottom	Lat: 53 ° 36 . 672 N	
	Lon: 129 ° 12 . 784 W	
Finish	Lat: 53 ° 36 . 656 N	
	Lon: 129 ° 12 . 744 W	

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

Version: 14 February 2013 **Transmissometer and Fluorometer are to be cleaned before each cast -- do not use Ammonia products** Standards for Sample Collection: WaterProperties.ca/standards

Water Properties Group — Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-03 Station: DOUG 40 Event #: 43 Vessel: Vector UTC Date (dd|mmm|yyyy): 09 | MAR | 2015

Bottles & Samples			Rosette Operation			Samples Taken (↓ *write samplers' initials under each sample type*)													Comments
Niskin #	Firing #	Sample #	Target Pressure	*Confirmed* ✓	Pressure	Oxy	Nut	Sal	Chl a	DIC	TDC	DOC	CDOM	δ18					
1		203	bot-5	✓	391	✓	✓												
2		204	350	✓	350	✓	✓												
3		205	300	✓	300	✓	✓✓												
4		206	250	✓	250	✓	✓												
5		207	200	✓	200	✓✓	✓												
6		208	150	✓	150	✓	✓												
7		209	100	✓	100	✓	✓												
8		210	75	✓	75	✓	✓✓												
9		211	50	✓	50	✓	✓												
10		212	30	✓	30	✓	✓		✓✓										
11		213	20	✓	20	✓✓	✓		✓✓										
12		214	10	✓	10	✓	✓	✓											
13		215	0	✓	0.8	✓	✓	✓	✓✓	✓✓									
14		216	0	✓	0.8						✓✓	✓✓	✓✓	✓✓					
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s): CH, DW, CW

Bottom Depth: 396 m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: Y / N

Time	*UTC*	*Local*
Start (BE)	14 : 38	:
Bottom (BO)	14 : 48	:
End (EN)	15 : 08	:

Positional Information

Start	Lat: 53 ° 26.761 N	
	Lon: 129 ° 12.644 W	
Bottom	Lat: 53 ° 26.765 N	
	Lon: 129 ° 12.646 W	
Finish	Lat: 53 ° 26.771 N	
	Lon: 129 ° 12.578 W	

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

213 m

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-03 Station: GC31 Event #: 51 Vessel: Vector UTC Date (dd|mmm|yyyy): ____ | ____ | ____

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	δ^{18}	CDOM	DK					
1		218		✓	201	x	x												
2		219	200	✓	200	x	x												
3		220	150	✓	150	xx	xx												
4		221	100	✓	99.8	xx	xx												
5		222	75	✓	74.9	x	x												
6		223	50	✓	50	x	x												
7		224	30	✓	30.2	x	x												
8		225	20	✓	20.3	x	x		xx										
9		226	10	✓	10.1	x	x		xx										
10		227	0	✓	1.2	x	x		xx										
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: _____ m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

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

Positional Information

Start	Lat: ° . N	
	Lon: ° . 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)*

Version: 14 February 2013 **Transmissometer and Fluorometer are to be cleaned before each cast -- do not use Ammonia products** **Standards for Sample Collection: WaterProperties.ca/standards**

500m

Water Properties Group — Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-03 Station: GCS1 Event #: Vessel: Vector UTC Date (dd|mmm|yyyy): 10 | MAR | 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		232	6-5	✓	492	x	x												
2		233	450	✓	450	xx	xx												
3		234	400	✓	400	x	x												
4		235	350	✓	350	x	x												
5		236	300	✓	300	x	x												
6		237	250	✓	250	x	x												
7		238	200	✓	200	x	x												
8		239	150	✓	150	x	x												
9		240	100	✓	100	x	x												
10		241	75	✓	75	xx	xx												
11		242	50	✓	50	x	x												
12		243	30	✓	30	x	x												
13		244	20	✓	20	x	x		xx										
14		245	10	✓	10	x	x		xx										
15		246	0	✓	0	x	x		xx										
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s):

Bottom Depth: 497 m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: Y / N

Time	*UTC*	*Local*
Start (BE)	08:11	:
Bottom (BO)	08:28	:
End (EN)	08:48	:

Positional Information

Start	Lat: 53 ° 28 . 307	N
	Lon: 128 ° 18 . 852	W
Bottom	Lat: 53 ° 28 . 302	N
	Lon: 128 ° 18 . 847	W
Finish	Lat: 53 ° 28 . 297	N
	Lon: 128 ° 18 . 854	W

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

387m

Water Properties Group — Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-03 Station: UC45 Event #: 75 Vessel: Vector UTC Date (dd|mmm|yyyy): 11 | MAR | 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		250	b-5	✓	387	x	x												
2		251	350	✓	350	xx	x												
3		252	300	✓	300	x	x												
4		253	250	✓	250	x	xx												
5		254	200	✓	200	x	x												
6		255	150	✓	150	x	x												
7		256	100	✓	100	x	x												
8		257	75	✓	75	x	x												
9		258	50	✓	50	x	x												
10		259	30	✓	30	xx	x												
11		260	20	✓	20.2	x	x		x										
12		261	10	✓	10	x	xx		x										
13		262	0	✓	1.0	x	x		x										
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s):

Bottom Depth: 393 m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: Y / N

Time	*UTC*	*Local*
Start (BE)	04:36	:
Bottom (BO)	04:47	:
End (EN)	05:08	:

Positional Information

Start	Lat: 53 ° 26.014 N	
	Lon: 128 ° 55.502 W	
Bottom	Lat: 53 ° 26.020 N	
	Lon: 128 ° 55.552 W	
Finish	Lat: 53 ° 26.022 N	
	Lon: 128 ° 55.525 W	

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

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

Standards for Sample Collection: WaterProperties.ca/standards

461 m

Water Properties Group — Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-03 Station: FR56 Event #: 81 Vessel: Vector UTC Date (dd|mmm|yyyy): 11 | MAR | 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										
1,2		263	6-5	✓	435	x	x												
~~2~~		~~264~~	~~450~~			x	x	x											
3		265	400	✓	400	x	x	x											
4		266	350	✓	350	x	x												
5		267	300	✓	300	xx	x												
6		268	250	✓	250	x	xx												
7		269	200	✓	200	x	xx												
8		270	150	✓	150	xx	x												
9		271	100	✓	100	x	x												
10		272	75	✓	75	x	x												
11		273	50	✓	50	x	x												
12		274	30	✓	30	x	x												
13		275	20	✓	20	x	x		x										
14		276	10	✓	10	x	x		x										
15		277	0	✓	0.4	x	x		x										
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s): CH, DW, CW

Bottom Depth: 440 m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: Y / N

Time	*UTC*	*Local*
Start (BE)	07:27	:
Bottom (BO)	07:38	:
End (EN)	08:00	:

Positional Information

Start	Lat: 53° 16.904 N	
	Lon: 128° 52.506 W	
Bottom	Lat: 53° 16.892 N	
	Lon: 128° 52.502 W	
Finish	Lat: 53° 16.884 N	
	Lon: 128° 52.510 W	

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

Version: 14 February 2013 **Transmissometer and Fluorometer are to be cleaned before each cast -- do not use Ammonia products** **Standards for Sample Collection: WaterProperties.ca/standards**

518 m

Water Properties Group — Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-03 Station: WC50 Event #: 87 Vessel: Vector UTC Date (dd|mmm|yyyy): 11 | MAR | 2015

Bottles & Samples			Rosette Operation			Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓	Confirmed Pressure	Oxy	Nut	Sal	Chl a										
1		278	6-5	✓	511	X	X												
2		279	500	✓	500	X	XX												
3		280	450	✓	445	X	X												fired late + on the move
4		281	400	✓	400	X	X												
5		282	350	✓	350	XX	X												
6		283	300	✓	300	X	X												
7		284	250	✓	250	X	X												
8		285	200	✓	200	X	X												
9		286	150	✓	150	X	X												
10		287	100	✓	100	X	X												
11		288	75	✓	75	X	X												
12		289	50	✓	50	X	X												
13		290	30	✓	30	X	X		X										
14		291	20	✓	20	XX	X		X										
15		292	10	✓	10	X	XX		X										
16		293	0		1	X	X		X										
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s): DW, CH, CW

Bottom Depth: 516 m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	10:26	:
Bottom (BO)	10:30	:
End (EN)	10:54	:

Positional Information

Start	Lat: 53° 17.800 N	
	Lon: 129° 08.774 W	
Bottom	Lat: 53° 17.891 N	
	Lon: 129° 08.850 W	
Finish	Lat: 53° 17.749 N	
	Lon: 129° 8.808 W	

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