

Water Properties Group

Sampling/Rosette

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 206-52 Station: SI-VIP Event #: 1

UTC Date (dd|mmm|yyyy): 29 | APR | 201

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials u										Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	T	OXY						
1		1a,b,c	b-3	✓ 95	3				14.6	2.021	2.338	1019	1418	3070	2.619	
2		2a,b,c	b-3	95	3				9.9	1.839	1.827	3090	3080	3121	2.209	
3																
4																
5																
6																
7																
8																
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10																
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15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

28 Apr - 5 May
ONC
NR CAN
(Paul Macdonald)
Start of Georgia

OXY
C

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

Bottom Depth: 98 m
Transmisso Cleaned: Y N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	03:46	08:46
Bottom (BO)	03:51	:
End (EN)	03:53	:

Positional Information
Start
Lat: 48° 39.060 N
Lon: 123° 29.150 W

Bottom
Lat: 48° 39.060 N
Lon: 123° 29.150 W

Finish
Lat: 48° 39.060 N
Lon: 123° 29.150 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: DN Event #: 2 Vessel: Tully UTC Date (dd|mmm|yyyy): 29 | Apr | 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	SED	OXY A	OXY B	OXY C	Flask A	Flask B	Flask C		
1		3	B-3	✓ 157	xxx					4.900	4.902	4.899	1401	2094	1427		b - bumpy end point in transmissivity.
2		4	140	✓	xxx					4.905	4.901	4.911	1470	650	3086		
3		5	90	✓					x								
4		6	45	✓					x								
5		7	surf						x								
3			3	3													
OXY			OXY	OXY													
2			5	5													
DN-BBL			DN-BBL	DN-BBL													
2016-52			2016-52	2016-52													
Bot 1			Bot 1	Bot 1													
12																	
1			4	4													
1			OXY	OXY													
1			2	5													
DN-BBL			DN-BBL	DN-BBL													
2016-52			2016-52	2016-52													
Bot 2			Bot 2	Bot 2													
19																	
20																	
21																	
22																	
23																	
24																	

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

SR

Bottom Depth: 160 m
Transmisso Cleaned: ☒ Y ☐ N
Fluorometer Cleaned: Y ☐ N

Time	UTC	Local
Start (BE)	11:09	04:09
Bottom (BO)	11:12	:
End (EN)	11:20	:

Positional Information

Lat:	49° 4.740	N
Lon:	123° 20.560	W

▼

Lat:	49° 4.740	N
Lon:	123° 20.560	W

▼

Lat:	49° 4.750	N
Lon:	123° 20.540	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: 2016-52 Station: Delta Event #: 3 Vessel: Tully UTC Date (dd|mmm|yyyy): 29 | Apr | 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a										
1		8	B-3	✓ 155														
2		9	B-3	✓ 155														
3		10	B-3	✓ 155														
4		11	140	✓														
5		12	90	✓														
6		13	45	✓														
7		14	surf	✓														
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):
STR

Bottom Depth: 160 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	12:03	:
Bottom (BO)	12:07	:
End (EN)	12:13	:

Positional Information
Start
Lat: 49° 4.730 N
Lon: 123° 20.507 W

Bottom
Lat: 49° 4.727 N
Lon: 123° 20.516 W

Finish
Lat: 49° 4.730 N
Lon: 123° 20.512 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: EN Event #: 11 Vessel: Tully UTC Date (dd|mmm|yyyy): 30 | Apr | 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	SED	OXY A	OXY B	OXY C	Flask A	Flask B	Flask C		
1		15	B-3	✓ 169	xxx					4.929	5.110	4.921	3111	1023	3164		
2		16	B-3	✓ 169	xxx					4.919	4.924	4.919	1446	2069	1457		
3		17	B-3	✓ 169					x								
4		18	140	✓					x								
5		19	90	✓					x								
6		20	45	✓					x								
7		21	surf	✓					x								
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 172 m
Transmisso Cleaned: (Y) N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	12:03	05:03
Bottom (BO)	12:08	:
End (EN)	12:15	:

Positional Information
Start
Lat: 49° 2.520 N
Lon: 123° 19.050 W

Bottom
Lat: 49° 2.520 N
Lon: 123° 19.050 W

Finish
Lat: 49° 2.520 N
Lon: 123° 19.050 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: EN Event #: 12 Vessel: Tully UTC Date (dd|mmm|yyyy): 30 | Apr | 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a										
1		22	B-3															
2		23	B-3															
3		24	B-3															
4		25	140															
5		26	90															
6		27	45															
7		28	Surf															
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 172 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	12:32	05:32
Bottom (BO)	12:36	:
End (EN)	12:43	:

Positional Information
Start
Lat: 49° 2.530 N
Lon: 123° 19.040 W

Bottom
Lat: 49° 2.530 N
Lon: 123° 19.040 W

Finish
Lat: 49° 2.520 N
Lon: 123° 19.030 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: EN Event #: 13 Vessel: Tully UTC Date (dd|mmm|yyyy): 30 | APR | 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	SED	OXY A	OXY B	OXY C	Flask A	Flask B	Flask C		
1		29	B-3		XXX					4.978	4.978	4.883	1459	1459	3068		
2		30	B-3		XXX					4.926	4.926	4.907	3084	1402	1472		
3		31	B-3						X		4.894						
4		32	140						X								
5		33	90						X								
6		34	45						X								
7		35	surf						X								
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 169 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	14:08	07:08
Bottom (BO)	14:12	:
End (EN)	:	:

Positional Information
Start
Lat: 49° 2.510 N
Lon: 123° 18.990 W

Bottom
Lat: 49° 2.510 N
Lon: 123° 18.990 W

Finish
Lat: 49° 2.510 N
Lon: 123° 18.990 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: DDL Event #: 14 Vessel: Tully UTC Date (dd|mmm|yyyy): 01 | May | 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a										
1		36	B-3	109														
2		37	90															
3		38	70															
4		37	35															
5		40	Surf															
6																		
7																		
8																		
9																		
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11																		
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14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 10 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	02:35	19:35
Bottom (BO)	02:38	:
End (EN)	02:45	:

Positional Information
Start
Lat: 49° 5.109 N
Lon: 123° 19.820 W

Bottom
Lat: 49° 5.110 N
Lon: 123° 19.820 W

Finish
Lat: 49° 5.110 N
Lon: 123° 19.820 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: DDL6 Event #: 15 Vessel: Tully UTC Date (dd|mmm|yyyy): 01 | May | 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	SED									
1		41	B-3	✓	109					X								
2		42	90							↓								
3		43	70															
4		44	35															
5		45	15															
6		46	surf							↓								
7																		
8																		
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14																		
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16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 112 m
Transmisso Cleaned: Y N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 03:11 20:11
Bottom (BO) : :
End (EN) : :

Positional Information
Start Lat: 49° 5.110 N
Lon: 123° 19.820 W
Bottom Lat: 49° 5.110 N
Lon: 123° 19.820 W
Finish Lat: 49° 5. N
Lon: 123° 19. W

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

Handwritten signature

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: DDL Event #: 16 Vessel: Tully UTC Date (dd|mmm|yyyy): 01 | May | 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a										
1		47	B-3	✓	109													
2		48	90	✓														
3		49	70	✓														
4		50	35	✓														
5		51	15															
6		52	surf															
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 112 m
Transmisso Cleaned: ☒ Y ☐ N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 03:47 :
Bottom (BO) : :
End (EN) : :

Positional Information
Start Lat: 49° 5.110 N
Lon: 123° 19.820 W
▼
Bottom Lat: 49° 5.112 N
Lon: 123° 19.818 W
▼
Finish Lat: 49° 5.112 N
Lon: 123° 19.817 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: DDL Event #: 17 Vessel: Tully UTC Date (dd|mmm|yyyy): 01 May 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	SED									
1		53	B-3	✓	110				X									
2		54	90	✓														
3		55	70	✓														
4		56	35	✓														
5		57	15	✓														
6		58	surf															
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 113 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	04:24	21:24
Bottom (BO)	04:27	:
End (EN)	04:34	:

Positional Information
Start
Lat: 49° 5.110 N
Lon: 123° 19.820 W

Bottom
Lat: 49° 5.110 N
Lon: 123° 19.820 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: 2016-52 Station: DDL Event #: 18 Vessel: Tully UTC Date (dd|mmm|yyyy): 01 May 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	SED									
1		59	B-3						X									
2		60	90						↓									
3		61	70															
4		62	35															
5		63	15															
6		64	Surf						✓									
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 113 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 05:00 22:00
Bottom (BO) 05:03 :
End (EN) 05:11 :

Positional Information
Start Lat: 49° 5.120 N
Lon: 123° 19.820 W
Bottom Lat: 49° 5.110 N
Lon: 123° 19.820 W
Finish Lat: 49° 5.114 N
Lon: 123° 19.816 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: DDL Event #: 19 Vessel: Tully UTC Date (dd|mmm|yyyy): 01 | May | 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	SED								
1		65	B-3	✓ 110					X								
2		66	90														
3		67	70														
4		68	35														
5		69	15														
6		70	surf														
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 113 m
Transmisso Cleaned: ☒ Y ☐ N
Fluorometer Cleaned: Y ☐ N
Time UTC Local
Start (BE) 05:27 20:27
Bottom (BO) 05:31 :
End (EN) 05:38 :

Positional Information
Start Lat: 49° 5.120 N
Lon: 123° 19.810 W
Bottom Lat: 49° 5.120 N
Lon: 123° 19.810 W
Finish Lat: 49° 5.120 N
Lon: 123° 19.810 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: DDL Event #: 20 Vessel: Tully UTC Date (dd|mmm|yyyy): 01 | May | 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	SED									
1		71	B-3	✓	III				X									
2		72	90	✓					↓									
3		73	70															
4		74	35															
5		75	15															
6		76	surf						✓									
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):
SDR

Bottom Depth: 11.4 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 06 : 31 11 : 31
Bottom (BO) 06 : 34 :
End (EN) 06 : 42 :

Positional Information
Start
Lat: 49 ° 5 . 120 N
Lon: 123 ° 19 . 800 W
▼
Bottom
Lat: 49 ° 5 . 120 N
Lon: 123 ° 19 . 800 W
▼
Finish
Lat: 49 ° 5 . 120 N
Lon: 123 ° 19 . 800 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: DDL Event #: 21 Vessel: Tully UTC Date (dd|mmm|yyyy): 01 | May | 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a										
1		77	13-3	✓ 111														
2		78	90															
3		79	70															
4		80	35															
5		81	15															
6		82	surf															
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 114 m
Transmisso Cleaned: ☒ Y / ☐ N
Fluorometer Cleaned: ☐ Y / ☐ N

Time	UTC	Local
Start (BE)	07:22	00:22
Bottom (BO)	07:25	:
End (EN)	07:32	:

Positional Information
Start
Lat: 49° 5.120 N
Lon: 123° 19.800 W

Bottom
Lat: 49° 5.120 N
Lon: 123° 19.800 W

Finish
Lat: 49° 5.120 N
Lon: 123° 19.800 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: C Node Event #: 22 Vessel: Tully UTC Date (dd|mmm|yyyy): 01 | May | 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments		
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	SED	OXY A	OXY B	OXY C	Flask A	Flask B	Flask C				
1		83	B-3	✓ 299	xxx						2.446	2.440	2.410	1422	3085	1035			Flask B- large bubble under stopper
2		84	B-3	✓ 299	xxx						2.440	2.457	2.481	1015	2035	3099		2.357	
3		85	B-3	✓ 299					X										
4		86	275	✓					↓										
5		87	225	✓															
6		88	150	✓															
7		89	75	✓															
8		90	15																
9		91	surf						↓										
10																			
11		83	83	83															
12		OXY	OXY	OXY															
13		C Node	C Node	C Node															
14		B-3m	B-3m	B-3m															
15		2016-52	2016-52	2016-52															
16		Bot 1	Bot 1	Bot 1															
17		a	C	b															
18		84	84	84															
19		OXY	OXY	OXY															
20		C Node	C Node	C Node															
21		B-3m	B-3m	B-3m															
22		2016-52	2016-52	2016-52															
23		Bot 2	Bot 2	Bot 2															
24		a	b	c															

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

Bottom Depth: _____ m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 08:34 01:34
Bottom (BO) 08:40 :
End (EN) 08:51 :

Positional Information
Start Lat: 49 ° 2.490 N
Lon: 123 ° 25.440 W
Bottom Lat: 49 ° 2.490 N
Lon: 123 ° 25.450 W
Finish Lat: 49 ° 2.470 N
Lon: 123 ° 25.480 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: BBL Event #: 23 Vessel: Tully UTC Date (dd|mmm|yyyy): 02 | May | 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	SED								
1		92	B-3	✓	147												
2		93	135	✓													
3		94	100	✓													
4		95	50	✓													
5		96	15	✓													
6		97	surf														
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):
ER

Bottom Depth: 150 m
Transmisso Cleaned: ☒ Y ☐ N
Fluorometer Cleaned: ☐ Y ☐ N
Time UTC Local
Start (BE) 03:14 08:14
Bottom (BO) 03:17 :
End (EN) 03:27 :

Positional Information
Start
Lat: 49° 4.840 N
Lon: 123° 20.450 W
▼
Bottom
Lat: 49° 4.840 N
Lon: 123° 20.450 W
▼
Finish
Lat: 49° 4.840 N
Lon: 123° 20.450 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: SILL Event #: 30 Vessel: Tuller UTC Date (dd|mmm|yyyy): 04 | May | 2016

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	OXY A	OXY B	OXY C	Flask A	Flask B	Flask C			
				✓													
1		134	B-3		83	xxx			4.355	4.328	4.322	3117	1408	3009			
2		135	B-3		83	xxx			4.333	4.313	4.306	2019	2032	2040			
3																	
4		134 A		134 B		134 C											
5		OXY		OXY		OXY											
6		SILL		SILL		SILL											
7		15m		15m		15m											
8		2016-52		2016-52		2016-52											
9		Bot 1		Bot 1		Bot 1											
10																	
11		135 A		135 B		135 C											
12		OXY		OXY		OXY											
13		SILL		SILL		SILL											
14		SURF		SURF		SURF											
15		2016-52		2016-52		2016-52											
16		Bot 2		Bot 2		Bot 2											
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 86 m
 Transmisso Cleaned: ☒ Y ☐ N
 Fluorometer Cleaned: ☐ Y ☐ N

Time	UTC	Local
Start (BE)	13:36	06:36
Bottom (BO)	13:38	:
End (EN)	13:40	:

Positional Information

Start	Lat: <u>48° 41.350</u> N
	Lon: <u>123° 29.870</u> W

Bottom

	Lat: <u>48° 41.350</u> N
	Lon: <u>123° 29.870</u> W

Finish

	Lat: <u>48° 41.350</u> N
	Lon: <u>123° 29.870</u> W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: ADCP 1 Event #: 52 Vessel: TOLLY UTC Date (dd|mmm|yyyy): 11 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	51708									
1		241	8-5						✓									
2		242	60						✓									
3		243	40						✓									
4		244	20						✓									
5		245	0						✓									
6																		
7																		
8																		
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17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s):
H.M / NK

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)

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 261652 Station: ADCP 1 Event #: 50 Vessel: TOLLU UTC Date (dd|mmm|yyyy): 11 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	FILED									
1		231	B-5		91				✓									
2		232	60						✓									
3		233	40						✓									
4		234	20						✓									
5		235	0						✓									
6																		
7																		
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22																		
23																		
24																		

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

Bottom Depth: 86 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	12:05	05:06
Bottom (BO)	12:07	:
End (EN)	12:13	:

Positional Information

Lat:	53° 59.20	N
Lon:	128° 40.17	W

Start

▼

Lat:	53° 59.20	N
Lon:	128° 40.17	W

Bottom

▼

Lat:	53° 59.20	N
Lon:	128° 40.17	W

Finish

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: ADCP1B Event #: 49 Vessel: TULLY UTC Date (dd|mmm|yyyy): 11 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	FILTER									
1		226	B-5		171				✓									
2		227	140						✓									
3		228	70						✓									
4		229	35						✓									
5		230	0						✓									
6																		
7																		
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21																		
22																		
23																		
24																		

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

Bottom Depth: 171 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	11 :24	04:24
Bottom (BO)	11 :28	:
End (EN)	11 :35	:

Positional Information

Lat:	53 ° 57 . 92	N
Lon:	128 ° 40 . 61	W

▼

Lat:	53 ° 57 . 91	N
Lon:	128 ° 40 . 61	W

▼

Lat:	53 ° 57 . 89	N
Lon:	128 ° 40 . 61	W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: ADCP1 Event #: 48 Vessel: TULLY UTC Date (dd|mmm|yyyy): 11 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	FILTER									
1		221	B-5		74				✓									
2		222	60						✓									
3		223	40						✓									
4		224	20						✓									
5		225	0						✓									
6																		
7																		
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20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s):
H.M / NK

Bottom Depth: 73 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	10:45	03:45
Bottom (BO)	10:47	:
End (EN)	10:52	:

Positional Information

Start

Lat: 53 ° 59 . 26 N

Lon: 128 ° 40 . 11 W

Bottom

Lat: 53 ° 59 . 27 N

Lon: 128 ° 40 . 11 W

Finish

Lat: 53 ° 59 . 27 N

Lon: 128 ° 40 . 13 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: ADCP 1B Event #: 47 Vessel: TOLLIE UTC Date (dd|mmm|yyyy): 11 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	Fu	Fl	Ph	Pl	St	Tr	TS	TS	TS	
1		211	8-5		171				✓									
2		212	140						✓									
3		213	70						✓									
4		214	35						✓									
5		215	0						✓									
6																		
7																		
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22																		
23																		
24																		

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

Bottom Depth: 170 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	10:04	03:04
Bottom (BO)	10:08	:
End (EN)	10:14	:

Positional Information

Lat:	53° 57.89	N
Lon:	128° 40.62	W

▼

Lat:	53° 57.89	N
Lon:	128° 40.62	W

▼

Lat:	53° 57.88	N
Lon:	128° 40.59	W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: ADCP 1 Event #: 46 Vessel: TOLLY UTC Date (dd|mmm|yyyy): 11 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	Filter									
1		211	B-5	71					✓									
2		212	60						✓									
3		213	40						✓									
4		214	20						✓									
5		215	0						✓									
6																		
7																		
8																		
9																		
10																		
11																		
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16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 65 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	09:23	02:23
Bottom (BO)	09:24	:
End (EN)	09:36	:

Positional Information

Lat:	53° 59.29	N
Lon:	128° 40.08	W

▼

Lat:	53° 59.28	N
Lon:	128° 40.08	W

▼

Lat:	53° 59.27	N
Lon:	128° 40.05	W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: ADCP 1B Event #: 45 Vessel: TULLY UTC Date (dd|mmm|yyyy): 11 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	FILTER									
1		206	B-5		170				✓									
2		207	140						✓									
3		208	70						✓									
4		209	35						✓									
5		210	0						✓									
6																		
7																		
8																		
9																		
10																		
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18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 170 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	08:27	01:27
Bottom (BO)	08:30	:
End (EN)	08:38	:

Positional Information

Lat:	53° 57.88	N
Lon:	128° 40.64	W

Start

▼

Lat:	53° 57.89	N
Lon:	128° 40.65	W

Bottom

▼

Lat:	53° 57.92	N
Lon:	128° 40.67	W

Finish

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: ADCP 1 Event #: 44 Vessel: TOLLY UTC Date (dd|mmm|yyyy): 11 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	Fuor									
1		201	B-5		72				✓									
2		202	60						✓									
3		203	40						✓									
4		204	20						✓									
5		205	0						✓									
6																		
7																		
8																		
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18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s):
H.M / M.H / Cooper

Bottom Depth: _____ m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	07:37	00:37
Bottom (BO)	07:39	:
End (EN)	07:45	:

Positional Information

Start

Lat: 53° 59 . 27 N

Lon: 128° 40 . 12 W

Bottom

Lat: 53° 59 . 26 N

Lon: 128° 40 . 12 W

Finish

Lat: 53° 59 . 27 N

Lon: 128° 40 . 10 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: Luck 1B Event #: 43 Vessel: TULLY UTC Date (dd|mmm|yyyy): 11 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	FLUO								
1		196	B-5	167					✓								
2		197	140						✓								
3		198	70						✓								
4		199	35						✓								
5		200	0						✓								
6																	
7																	
8																	
9																	
10																	
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16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
Ros (default) | TrMetIRos | X-Niskin
Watchkeeper(s):
H.M./N.K./COOPER

Bottom Depth: 168 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	06:35	23:35
Bottom (BO)	06:39	:
End (EN)	06:45	:

Positional Information

Lat:	53 ° 57 . 99	N
Lon:	128 ° 40 . 59	W

▼

Lat:	53 ° 57 . 96	N
Lon:	128 ° 40 . 57	W

▼

Lat:	53 ° 57 . 91	N
Lon:	128 ° 40 . 56	W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: ADCP 1 Event #: 42 Vessel: Tully UTC Date (dd|mmm|yyyy): 11 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	FLUOR									
1		191	B-5	95					✓									
2		192	60						✓									
3		193	40						✓									
4		194	20						✓									
5		195	0						✓									
6																		
7																		
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17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 94 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	05:57	22:57
Bottom (BO)	05:59	:
End (EN)	06:06	:

Positional Information

Lat:	53° 59' . 14	N
Lon:	128° 40' . 09	W

▼

Lat:	53° 59' . 13	N
Lon:	128° 40' . 05	W

▼

Lat:	53° 59' . 13	N
Lon:	128° 40' . 08	W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: ADCP 2 Event #: 41 Vessel: TULLY UTC Date (dd|mmm|yyyy): 11 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	Filter									
1		186	B-5		201				✓									
2		187	170						✓									
3		188	100						✓									
4		189	50						✓									
5		190	0						✓									
6																		
7																		
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14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 201 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	04:20	21:20
Bottom (BO)	04:24	:
End (EN)	04:32	:

Positional Information

Lat:	53 ° 56 . 52	N
Lon:	128 ° 41 . 10	W

▼

Lat:	53 ° 56 . 52	N
Lon:	128 ° 41 . 09	W

▼

Lat:	53 ° 56 . 52	N
Lon:	128 ° 41 . 09	W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: ADCP 1B Event #: 40 Vessel: TOLLY UTC Date (dd|mmm|yyyy): 11 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	FLTP									
1		181	35	171					✓									
2		182	140						✓									
3		183	70						✓									
4		184	35						✓									
5		185	0						✓									
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
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Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):
H.N.K./COOP

Bottom Depth: 169 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	03:37	20:32
Bottom (BO)	03:36	:
End (EN)	03:42	:

Positional Information
Start
Lat: 53° 57.89 N
Lon: 128° 40.62 W

Bottom
Lat: 53° 57.89 N
Lon: 128° 40.61 W

Finish
Lat: 53° 57.89 N
Lon: 128° 40.59 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 7016-52 Station: ADCP 1 Event #: 39 Vessel: TULLY UTC Date (dd|mmm|yyyy): 11 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	FILTER									
1		176	B-5		85				✓									
2		177	60						✓									
3		178	40						✓									
4		179	20						✓									
5		180	0						✓									
6																		
7																		
8																		
9																		
10																		
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22																		
23																		
24																		

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

Watchkeeper(s):

H.M.N.K

Bottom Depth: 89 m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	02:48	19:48
Bottom (BO)	02:53	:
End (EN)	02:55	:

Positional Information

Start

Lat: 53° 59.23 N

Lon: 128° 40.26 W

▼

Bottom

Lat: 53° 59.24 N

Lon: 128° 46.26 W

▼

Finish

Lat: 53° 59.23 N

Lon: 128° 46.29 W

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

Cruise ID: 2016-52 Station: ADCA 1 Event #: 38 Vessel: TULLY UTC Date (dd|mmm|yyyy): 10 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	FILTER									
1		171	B-5	78.6					✓									
2		172	60						✓									
3		173	40						✓									
4		174	20						✓									
5		175	0						✓									
6																		
7																		
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9																		
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24																		

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

Watchkeeper(s):
H.M / M.K

Bottom Depth: 78.6 m

Transmisso Cleaned: Y N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	12:09	05:09
Bottom (BO)	12:11	:
End (EN)	12:17	:

Positional Information

Start

Lat: 53° 59 . 24 N

Lon: 128° 40 . 13 W

Bottom

Lat: 53° 59 . 24 N

Lon: 128° 40 . 13 W

Finish

Lat: 53° 59 . 40 N

Lon: 128° 40 . 15 W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: ADCP 2 Event #: 37 Vessel: Tully UTC Date (dd|mmm|yyyy): 10 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a										
1		166	B-5		204				✓									
2		167	170						✓									
3		168	100						✓									
4		169	50						✓									
5		170	0						✓									
6																		
7																		
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Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):
Hoy/NK

Bottom Depth: 203 m
Transmisso Cleaned: (Y) N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	10 :35	03:35
Bottom (BO)	10 :38	:
End (EN)	10 :46	:

Positional Information

Start	Lat: 53 ° 56 . 51	N
	Lon: 128 ° 41 . 15	W

Bottom

Lat: 53 ° 56 . 50	N
Lon: 128 ° 41 . 16	W

Finish

Lat: 53 ° 56 . 47	N
Lon: 128 ° 41 . 17	W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: ADCP-1 Event #: 36 Vessel: TULLY UTC Date (dd|mmm|yyyy): 10 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	FILTER									
1		161	B-5	70					✓									
2		162	60						✓									
3		163	40						✓									
4		164	20						✓									
5		165	0						✓									
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24																		

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

Bottom Depth: 73 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	09:24	02:24
Bottom (BO)	09:26	:
End (EN)	09:31	:

Positional Information

Lat:	53° 59' . 27	N
Lon:	128° 40' . 05	W

▼

Lat:	53° 59' . 28	N
Lon:	128° 40' . 04	W

▼

Lat:	53° 59' . 29	N
Lon:	128° 40' . 00	W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: ADCP 2 Event #: 35 Vessel: Tully UTC Date (dd|mmm|yyyy): 10 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	Filter									
1		156	B-5		201				✓									
2		157	170						✓									
3		158	100						✓									
4		159	50						✓									
5		160	0						✓									
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24																		

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

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

Time	UTC	Local
Start (BE)	08:03	01:03
Bottom (BO)	08:07	:
End (EN)	08:14	:

Positional Information

Start	Lat:	53° 56' . 50	N
	Lon:	128° 41' . 15	W
Bottom	Lat:	53° 56' . 49	N
	Lon:	128° 41' . 17	W
Finish	Lat:	53° 56' . 46	N
	Lon:	128° 41' . 19	W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: ADCP1 Event #: 34 Vessel: Tully UTC Date (dd|mmm|yyyy): 10 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	FILTED									
1		151	B-5		76				✓									
2		152	60						✓									
3		153	40						✓									
4		154	20						✓									
5		155	0						✓									
6																		
7																		
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19																		
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21																		
22																		
23																		
24																		

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

Bottom Depth: 81 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	06:46	23:46
Bottom (BO)	06:49	:
End (EN)	06:53	:

Positional Information

Lat:	53° 59.23	N
Lon:	128° 40.06	W

▼

Lat:	53° 59.23	N
Lon:	128° 40.05	W

▼

Lat:	53° 59.22	N
Lon:	128° 40.04	W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: ADCP 3 Event #: 33 Vessel: TULLY UTC Date (dd|mmm|yyyy): 10 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	FILTER									
1		146	B-5		216				✓									
2		147	190						✓									
3		148	120						✓									
4		149	60						✓									
5		150	0						✓									
6																		
7																		
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24																		

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

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

Time	UTC	Local
Start (BE)	04:52	21:52
Bottom (BO)	04:56	:
End (EN)	05:04	:

Positional Information

Start	Lat: 53° 55' . 14	N
	Lon: 128° 42' . 91	W
	▼	
Bottom	Lat: 53° 55' . 13	N
	Lon: 128° 42' . 89	W
	▼	
Finish	Lat: 53° 55' . 14	N
	Lon: 128° 42' . 87	W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: ADCP 2 Event #: 32 Vessel: TULLY UTC Date (dd|mmm|yyyy): 10 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	FLTER									
1		141	B-5		200				✓									
2		142	170						✓									
3		143	100						✓									
4		144	50						✓									
5		145	0						✓									
6																		
7																		
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22																		
23																		
24																		

Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):
47

Bottom Depth: 205 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	03:56	20:56
Bottom (BO)	04:00	:
End (EN)	04:08	:

Positional Information

Lat:	53° 56' . 51	N
Lon:	128° 41' . 15	W

Start

Bottom

Lat:	53° 56' . 52	N
Lon:	128° 41' . 18	W

Finish

Lat:	53° 56' . 53	N
Lon:	128° 41' . 26	W

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-52 Station: ADCP1 Event #: 31 Vessel: TOLLU UTC Date (dd|mmm|yyyy): 10 | 5 | 16

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	FILTER									
1		136	8-5	76					✓									
2		137	60						✓									
3		138	47						✓									
4		139	20						✓									
5		140	0						✓									
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 73 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	02:45	19:45
Bottom (BO)	02:47	:
End (EN)	02:51	:

Positional Information

Lat:	53° 59' . 25	N
Lon:	128° 40' . 11	W

▼

Lat:	53° 59' . 25	N
Lon:	128° 40' . 11	W

▼

Lat:	53° 59' . 25	N
Lon:	128° 40' . 11	W

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