

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-41 Station: DOUG45 Event #: 001 Vessel: TULLY UTC Date (dd|mmm|yyyy): 17 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	SPC	DOC	DOC	SIB	CDOM			
1		1	65	✓ 462	✓	✓	✓									
2		2	65	✓ 462					✓✓							PARTICLES
3		3	400	✓	✓	✓										
4		4	350	✓	✓	✓										
5		5	250	✓	✓✓	✓✓										
6		6	200	✓	✓	✓										
7		7	150	✓	✓	✓										
8		8	100	✓	✓	✓										
9		9	75	✓	✓	✓										
10		10	50	✓	✓	✓										
11		11	30	✓	✓	✓										
12		12	20	✓	✓	✓										
13		13	10	✓	✓✓	✓✓										
14		14	0	✓	✓	✓										
15		15	0	✓					✓✓	✓✓	✓✓	✓✓	✓✓			
16		16	0	✓					✓✓							PARTICLES
17																
18																
19																
20																
21																
22																
23																
24																

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

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

Time	UTC	Local
Start (BE)	05:29	22:29
Bottom (BO)	05:38	:
End (EN)	06:06	:

Positional Information
Start
Lat: 53° 22.134 N
Lon: 129° 11.641 W

Bottom
Lat: 53° 22.141 N
Lon: 129° 11.677 W

Finish
Lat: 53° 22.170 N
Lon: 129° 11.849 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: 2016-41 Station: RSKI Event #: 002 Vessel: TULLY UTC Date (dd|mmm|yyyy): 17 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	SPC		TOC	DOC	818	CDOM				
1		17	6-5	✓ 376	✓	✓												
2		18	6-5	✓ 376					✓✓									PARTICLES
3		19	300	✓	✓	✓												
4		20	250	✓	✓	✓												
5		21	200	✓	✓✓	✓✓												
6		22	150	✓	✓	✓												
7		23	100	✓	✓	✓												
8		24	75	✓	✓	✓												
9		25	50	✓	✓✓	✓✓												
10		26	30	✓	✓	✓												
11		27	20	✓	✓	✓												
12		28	10	✓	✓	✓												
13		29	0	✓	✓	✓												
14		30	0	✓			✓			✓✓	✓✓	✓✓	✓✓	✓✓				
15		31	0	✓					✓✓									PARTICLES
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 382 m
Transmisso Cleaned: ☒ Y / ☐ N
Fluorometer Cleaned: ☐ Y / ☐ N

Time	UTC	Local
Start (BE)	07:35	00:35
Bottom (BO)	07:46	:
End (EN)	08:08	:

Positional Information

Lat:	53° 28.560	N
Lon:	129° 12.610	W

Start

Lat:	53° 28.560	N
Lon:	129° 12.590	W

Bottom

Lat:	53° 28.550	N
Lon:	129° 12.480	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: 2016-41 Station: DOUG31 Event #: 6 Vessel: Tully UTC Date (dd|mmm|yyyy): 17 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		TOC	DOC	SR	CDOM					
1		32	65	✓ 298	✓	✓												
2		33	200	✓	✓	✓												
3		34	150		✓	✓												
4		35	100		✓	✓												
5		36	75		✓	✓												
6		37	50		✓	✓												
7		38	30		✓	✓												
8		39	20		✓	✓												
9		40	10		✓	✓												
10		41	0				✓		✓	✓	✓	✓						
11		42	0		✓	✓												
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 300 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	09:45	:
Bottom (BO)	09:51	:
End (EN)	10:19	:

Positional Information

Start	Lat: 53° 36.710 N
	Lon: 129° 12.760 W
Bottom	Lat: 53° 36.700 N
	Lon: 129° 12.740 W
Finish	Lat: 53° 36.690 N
	Lon: 129° 12.710 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: 2016-42 Station: DOUG-16 Event #: 7 Vessel: Tully UTC Date (dd|mmm|yyyy): 17 | 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	SPL		TOL	DOC	SIB	DOM				
1		43	6-5	✓ 376	✓✓	✓												PARTICLES
2		44	6-5	✓ 376	—	—			✓✓									
3		45	350	✓	✓	✓												
4		46	300	✓	✓	✓✓												
5		47	250	✓	✓	✓												
6		48	200	✓	✓	✓												
7		49	150	✓	✓	✓												
8		50	100	✓	✓✓	✓												
9		51	75	✓	✓	✓												
10		52	50	✓	✓	✓✓												
11		53	30	✓	✓	✓												
12		54	20	✓	✓	✓												
13		55	10	✓	✓	✓												
14		56	0		✓	✓✓	✓				✓	✓✓	✓✓	✓✓				
15		57	0		✓						✓✓	✓✓	✓✓	✓✓				
16		58	0		—	—			✓✓								PARTICLES	
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 381 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	12:09	05:09
Bottom (BO)	12:18	:
End (EN)	:	:

Positional Information
Start
Lat: 53° 46.700 N
Lon: 128° 54.690 W

Bottom
Lat: 53° 46.690 N
Lon: 128° 54.710 W

Finish
Lat: 53° 46. N
Lon: 128° 54. W

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

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Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-41 Station: GC31 Event #: 10 Vessel: TULLY UTC Date (dd|mmm|yyyy): 18 | 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		TOC	DOC	SIB	CDOM	Phyto			
1		59	6-5	✓ 203	✓	✓											
2		60	150	✓	✓	✓											
3		61	100	✓	✓	✓											
4		62	75	✓	✓	✓											
5		63	50	✓	✓	✓											
6		64	30	✓	✓	✓											
7		65	20	✓	✓	✓											
8		66	10	✓	✓	✓											
9		67	0	✓	✓	✓											
10		68	0	✓			✓			✓	✓	✓	W	✓			
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: 209 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 02:13 19:13
Bottom (BO) 02:18 :
End (EN) 02:34 :

Positional Information
Start Lat: 53° 31.610 N
Lon: 128° 43.550 W
Bottom Lat: 53° 31.620 N
Lon: 128° 43.540 W
Finish Lat: 53° 31.620 N
Lon: 128° 43.460 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: 2016-41

Station: GCH4

Event #: 11

Vessel: TULLY

UTC Date (dd|mmm|yyyy): 18 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		69	6-5	✓ 406	✓	✓	✓										
2		70	300	✓	✓	✓											
3		71	250		✓	✓											
4		72	200		✓✓	✓✓											
5		73	150		✓	✓											
6		74	100		✓	✓											
7		75	75		✓	✓											
8		76	50		✓✓	✓✓											
9		77	30		✓	✓											
10		78	20		✓	✓											
11		79	10		✓	✓											
12		80	0		✓	✓	✓										
13		81	0							✓✓	✓✓	✓✓	✓✓				
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 409 m
 Transmisso Cleaned: ☒ Y / ☐ N
 Fluorometer Cleaned: ☐ Y / ☐ N

Time	UTC	Local
Start (BE)	<u>04:22</u>	<u>21:22</u>
Bottom (BO)	<u>04:30</u>	:
End (EN)	<u>04:59</u>	:

Positional Information

Start
 Lat: 53° 25.980 N
 Lon: 128° 27.020 W

Bottom
 Lat: 53° 25.970 N
 Lon: 128° 26.990 W

Finish
 Lat: 53° 26.020 N
 Lon: 128° 26.780 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: 2016-41

Station: GC57

Event #: 12

Vessel: TOLLY

UTC Date (dd|mmm|yyyy): 18 | 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		106	6-5							SPC								
2		107	100							✓✓✓								
3		108	50							✓✓✓								
4		109	20							✓✓✓								
5		110	0							✓✓✓								
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 426 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N
 Time UTC Local
 Start (BE) 06:37 23:39
 Bottom (BO) 06:45 :
 End (EN) 07:04 :

Positional Information
 Start
 Lat: 53° 28.020 N
 Lon: 128° 11.050 W
 ▼
 Bottom
 Lat: 53° 28.030 N
 Lon: 128° 11.090 W
 ▼
 Finish
 Lat: 53° 28.050 N
 Lon: 128° 11.230 W

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

SUPER STATION

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-41

Station: GC57

Event #: 13

Vessel: Tully

UTC Date (dd|mmm|yyyy): 18 | 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		82	6-5	✓ 423	✓✓	✓	✓										
2		83	6-5	✓ 423			✓			✓	✓	✓	✓				
3		84	400		✓	✓	✓										
4		85	400				✓			✓	✓	✓	✓				
5		86	300		✓	✓	✓										
6		87	300				✓			✓	✓	✓	✓				
7		88	200		✓	✓	✓										
8		89	200				✓			✓✓	✓✓	✓✓	✓✓				
9		90	150		✓✓	✓✓	✓										
10		91	150				✓			✓	✓	✓	✓				
11		92	100		✓	✓	✓										
12		93	100				✓			✓	✓	✓	✓				
13		94	75		✓	✓	✓										
14		95	75				✓			✓	✓	✓	✓				
15		96	50		✓	✓	✓										
16		97	50				✓			✓	✓	✓	✓				
17		98	30		✓✓	✓✓	✓			✓	✓	✓	✓				
18		99	30				✓			✓	✓	✓	✓				
19		100	20		✓	✓	✓										
20		101	20				✓			✓	✓	✓	✓				
21		102	10		✓	✓	✓										
22		103	10				✓			✓	✓	✓	✓				
23		104	0		✓	✓	✓										
24		105	0				✓			✓✓	✓✓	✓✓	✓✓	✓✓	✓		

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

Bottom Depth: 423 m
 Transmisso Cleaned: ☒ Y / ☐ N
 Fluorometer Cleaned: ☐ Y / ☐ N

Time	UTC	Local
Start (BE)	<u>09:03</u>	<u>02:03</u>
Bottom (BO)	<u>09:12</u>	:
End (EN)	<u>09:36</u>	:

Positional Information

Start	Lat: <u>53°28.030</u> N
	Lon: <u>128°11.020</u> W
Bottom	Lat: <u>53°28.040</u> N
	Lon: <u>128°11.090</u> W
Finish	Lat: <u>53°28.080</u> N
	Lon: <u>128°11.330</u> W

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

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Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-41 Station: GC74 Event #: 14 Vessel: TULY UTC Date (dd|mmm|yyyy): 18 | 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	SPC	DOC	DOC	SB	DOM	PHYTO				
1		111	6-5	✓ 134	✓	✓												
2		112	6-5	✓ 134				✓✓										PARTICLES
3		113	100	✓	✓	✓												
4		114	75	✓	✓✓	✓✓												
5		115	50	✓	✓	✓												
6		116	30		✓	✓												
7		117	20		✓	✓												
8		118	10		✓	✓												
9		119	0		✓	✓												
10		120	0				✓			✓✓	✓✓	✓✓	✓✓	✓				
11		121	0					✓✓										PARTICLES
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

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

Time	UTC	Local
Start (BE)	<u>11:41</u>	<u>04:41</u>
Bottom (BO)	<u>11:45</u>	:
End (EN)	<u>12:00</u>	:

Positional Information
Start
Lat: 53° 15.810 N
Lon: 127° 55.460 W

Bottom
Lat: 53° 15.820 N
Lon: 127° 55.510 W

Finish
Lat: 53° 15.810 N
Lon: 127° 55.410 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: 2016-41 Station: DeC19 Event #: 17 Vessel: TULLY UTC Date (dd|mmm|yyyy): 19 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	SPL	TOC	DOC	818	DOM	phyc			
1		122	0-5	✓ 262	✓	✓											Particles
2		123	0-5	✓ 262					✓✓								
3		124	250		✓✓	✓✓											
4		125	200		✓	✓											
5		126	150		✓	✓											
6		127	100		✓	✓											
7		128	75		✓✓	✓✓											
8		129	50		✓	✓											
9		130	30		✓	✓											
10		131	20		✓	✓											Particles
11		132	10		✓	✓											
12		133	0				✓		✓✓	✓✓	✓✓	✓✓	✓✓	✓			
13		134	0		✓	✓											
14		135	0						✓✓								
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
☒ Ros (default) ☐ TrMetRos ☐ X-Niskin

Watchkeeper(s):

SR

Bottom Depth: 267 m

Transmisso Cleaned: ☒ Y ☐ N

Fluorometer Cleaned: Y / N

Time

UTC

Local

Start (BE) 01:09 18:09

Bottom (BO) 01:16 1:

End (EN) 01:40:

Positional Information

Start

Lat: 53°39.299 N

Lon: 128°52.350 W

Bottom

Lat: 53°39.300 N

Lon: 128°52.360 W

Finish

Lat: 53°39.203 N

Lon: 128°52.400 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: 2016-41 Station: DOUG-11 Event #: 18 Vessel: Tully UTC Date (dd|mmm|yyyy): 19 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	SPC	TOC	DOC	δ18	DOM	phyto				
1		136	0-5	✓ 320	✓	✓												
2		137	0-5	✓ 320					✓✓✓									PARTICLE
3		138	300	✓	✓	✓												
4		139	250	✓	✓	✓												
5		140	200	✓	✓✓	✓✓												
6		141	150	✓	✓	✓												
7		142	100	✓	✓	✓												
8		143	75	✓	✓	✓												
9		144	50	✓	✓✓	✓✓												
10		145	30	✓	✓	✓												
11		146	20	✓	✓	✓												
12		147	10	✓	✓	✓												
13		148	0	✓	✓	✓												
14		149	0	✓			✓		✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓			
15		150	0	✓					✓✓✓									PARTICLE
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s):
SR

Bottom Depth: 328 m

Transmisso Cleaned: (Y) N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	03:07	20:07
Bottom (BO)	03:15	:
End (EN)	03:43	:

Positional Information

Start
Lat: 53° 49.820 N
Lon: 128° 49.300 W

Bottom
Lat: 53° 49.840 N
Lon: 128° 49.320 W

Finish
Lat: 53° 49.900 N
Lon: 128° 49.280 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: 2016-41 Station: DOUG 4 Event #: 19 Vessel: Tully UTC Date (dd|mmm|yyyy): 19 | 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		151	6-5	217						✓✓✓							
2		152	100							✓✓✓							
3		153	50							✓✓✓							
4		154	20							✓✓✓							
5		155	0							✓✓✓							
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 224 m
Transmisso Cleaned: ☒ Y / ☐ N
Fluorometer Cleaned: Y / ☐ N
Time UTC Local
Start (BE) 05:35 22:35
Bottom (BO) 05:40 :
End (EN) 05:54 :

Positional Information
Start Lat: 53° 55.630 N
Lon: 128° 42.290 W
▼
Bottom Lat: 53° 55.580 N
Lon: 128° 42.400 W
▼
Finish Lat: 53° 55.530 N
Lon: 128° 42.510 W

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

SUPERCHEM

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-41

Station: DOUG-4

Event #: 20

Vessel: Tully

UTC Date (dd|mmm|yyyy): 19 | 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		156	6-5	219	✓	✓	✓			TOC	DOC	818	CO ₂	phgto		
2		157	6-5	219			✓			✓	✓	✓	✓			
3		158	200		✓	✓	✓									
4		159	200				✓			✓	✓	✓	✓			
5		160	150		✓	✓	✓									
6		161	150				✓			✓	✓	✓	✓			
7		162	100		✓	✓	✓									
8		163	100				✓			✓	✓	✓	✓			
9		164	75		✓	✓	✓									
10		165	75				✓			✓	✓	✓	✓			
11		166	50		✓	✓	✓									
12		167	50				✓			✓	✓	✓	✓			
13		168	30		✓	✓	✓									
14		169	30				✓			✓	✓	✓	✓			
15		170	20		✓	✓	✓									
16		171	20				✓			✓	✓	✓	✓			
17		172	10		✓	✓	✓									
18		173	10				✓			✓	✓	✓	✓			
19		174	0		✓	✓	✓									
20		175	0				✓			✓	✓	✓	✓	✓		
21																
22																
23																
24																

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

Bottom Depth: 224 m
 Transmisso Cleaned: (Y) N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	06:25	23:25
Bottom (BO)	06:32	:
End (EN)	06:51	:

Positional Information

Lat:	<u>53° 55.510</u>	N
Lon:	<u>128° 42.410</u>	W

Start

▼

Lat:	<u>53° 55.499</u>	N
Lon:	<u>128° 42.373</u>	W

Bottom

▼

Lat:	<u>53° 55.553</u>	N
Lon:	<u>128° 42.337</u>	W

Finish

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

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-41

Station: 100

Event #: 2

Vessel: Willy

UTC Date (dd|mmm|yyyy): 19 | Mar | 2016

[illegible]

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


Bottom Depth: <u>374</u> m		
Transmisso Cleaned: <u>Y</u> N		
Fluorometer Cleaned: Y / N		
<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start (BE)	09:17	02:17
Bottom (BO)	09:24	:
End (EN)	09:41	:

Positional Information

Lat:	53° 44.230 N
Lon:	129° 1.590 W

Bottom	Lat: 53 ° 44.233 N
	Lon: 129 ° 1.602 W

Finish	Lat: 53 ° 44.230 N
	Lon: 129 ° 1.650 W

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

* IMPORTANT SALTS

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-41 Station: FOC1 Event #: 22 Vessel: TULLY UTC Date (dd|mmm|yyyy): 19 | 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		184	65	✓ 367	✓	✓	✓										
2		185	65	✓ 367			✓			✓	✓	✓	✓				
3		186	300		✓	✓	✓										
4		187	300				✓			✓	✓	✓	✓				
5		188	250		✓	✓	✓										
6		189	250				✓			✓	✓	✓	✓				
7		190	200		✓	✓	✓										
8		191	200				✓			✓	✓	✓	✓				
9		192	150		✓	✓	✓										
10		193	150				✓			✓	✓	✓	✓				
11		194	100		✓	✓	✓										
12		195	100				✓			✓	✓	✓	✓				
13		196	75		✓	✓	✓										
14		197	75				✓			✓	✓	✓	✓				
15		198	50		✓	✓	✓										
16		199	50				✓			✓	✓	✓	✓				
17		200	30		✓	✓	✓										
18		201	30				✓			✓	✓	✓	✓				
19		202	20		✓	✓	✓										
20		203	20				✓			✓	✓	✓	✓				
21		204	10		✓	✓	✓										
22		205	10				✓			✓	✓	✓	✓				
23		206	0		✓	✓	✓										
24		207	0				✓			✓	✓	✓	✓	✓			

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

Bottom Depth: 371 m
 Transmissio Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>10:30</u>	<u>03:30</u>
Bottom (BO)	<u>10:39</u>	:
End (EN)	<u>10:59</u>	:

Positional Information
 Start
 Lat: 53° 44.210 N
 Lon: 129° 1.630 W

Bottom
 Lat: 53° 44.190 N
 Lon: 129° 1.640 W

Finish
 Lat: 53° 44.180 N
 Lon: 129° 1.560 W

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

PARTICLES

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-41

Station: SC61

Event #: 28

Vessel: TULLY

UTC Date (dd|mmm|yyyy): 20 | 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		208	10-5	✓	501										
2		209	160	✓											
3		210	50	✓											
4		211	20	✓											
5		212	0	✓											
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):
SR

Bottom Depth: 509 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>03:38</u>	<u>20:38</u>
Bottom (BO)	<u>03:50</u>	:
End (EN)	<u>04:09</u>	:

Positional Information

Start
 Lat: 53° 12.040 N
 Lon: 129° 25.190 W

Bottom
 Lat: 53° 12.060 N
 Lon: 129° 25.170 W

Finish
 Lat: 53° 12.020 N
 Lon: 129° 25.190 W

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

SUPER STATION

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-41

Station: SC61

Event #: 29

Vessel: TULLY

UTC Date (dd|mmm|yyyy): 20 | 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		213	6-5	✓ 504	✓	✓	✓			TOC	DOC	8B	CDOM	phyp			
2		214	0-5	✓ 504			✓			✓	✓	✓	✓				
3		215	400		✓✓	✓✓	✓										
4		216	400				✓			✓	✓	✓	✓				
5		217	300		✓	✓	✓										
6		218	300				✓			✓	✓	✓	✓				
7		219	200		✓	✓	✓										
8		220	200				✓			✓✓	✓	✓	✓				
9		221	150		✓	✓	✓										
10		222	150				✓			✓	✓	✓	✓				
11		223	100		✓✓	✓✓	✓										
12		224	100				✓			✓	✓	✓	✓				
13		225	75		✓	✓	✓										
14		226	75				✓			✓	✓	✓	✓				
15		227	50		✓	✓	✓										
16		228	50				✓			✓	✓	✓	✓				
17		229	30		✓✓	✓✓	✓										
18		230	30				✓			✓	✓	✓	✓				
19		231	20		✓	✓	✓										
20		232	20				✓			✓	✓	✓	✓				
21		233	10		✓	✓	✓										
22		234	10				✓			✓	✓	✓	✓				
23		235	0		✓	✓	✓										
24		236	0				✓			✓✓	✓✓	✓✓	✓✓	✓			

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

Bottom Depth: 509 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	04:32	:
Bottom (BO)	04:48	:
End (EN)	05:14	:

Positional Information

Lat:	53° 12.006	N
Lon:	129° 25.090	W

Start

▼

Lat:	53° 12.010	N
Lon:	129° 25.000	W

Bottom

▼

Lat:	53° 12.016	N
Lon:	129° 25.096	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: 2016-41 Station: CS84 Event #: 31 Vessel: TULLY UTC Date (dd|mmm|yyyy): 20 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		237	6-5		✓	✓											
2		238	200		✓	✓											
3		239	150		✓	✓											
4		240	100		✓	✓											
5		241	75		✓	✓											
6		242	50		✓	✓											
7		243	30		✓	✓											
8		244	20		✓	✓											
9		245	10		✓	✓											
10		246	0				✓			✓	✓	✓	✓				
11		247	0		✓	✓											
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: 258 m
Transmisso Cleaned: ☒ Y ☐ N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	08:33	01:33
Bottom (BO)	08:39	:
End (EN)	08:52	:

Positional Information
Start
Lat: 52°54.170 N
Lon: 129°23.840 W

Bottom
Lat: 52°54.170 N
Lon: 129°23.810 W

Finish
Lat: 52°54.190 N
Lon: 129°23.850 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: 2016-41 Station: CS89 Event #: 32 Vessel: Tully UTC Date (dd|mmm|yyyy): 20 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	TOC	DOC	018	DOM					
1		248	B-5		X	X											
2		249	250														
3		250	200														
4		251	150		XX	XX											
5		252	100														
6		253	75														
7		254	50														
8		255	30														
9		256	20		XX	XX											
10		257	10		↓	↓											
11		258	0														
12		259	0				X		XX	XX	XX	X					
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 319 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	10 :05	03 :05
Bottom (BO)	10 :12	:
End (EN)	10 :28	:

Positional Information

Start	Lat: <u>52°53.860</u> N
	Lon: <u>129°32.778</u> W
Bottom	Lat: <u>52°53.870</u> N
	Lon: <u>129°32.750</u> W
Finish	Lat: <u>52°53.890</u> N
	Lon: <u>129°32.740</u> W

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

PARTICLES + DIC/AIK

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2016-41 Station: HEC1 Event #: 40 Vessel: TULLY UTC Date (dd|mmm|yyyy): 21 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		SPC		DIC			
1		276	0-5	✓ 115						✓✓					
2		277	100	✓						✓✓✓					
3		278	50	✓						✓✓✓					
4		279	50	✓								✓✓			
5		280	40	✓								✓✓			
6		281	30	✓								✓✓			
7		282	20	✓						✓✓					
8		283	0	✓						✓✓✓					
9															
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):
SR

Bottom Depth: 120 m
Transmisso Cleaned: ☒ Y / ☐ N
Fluorometer Cleaned: ☐ Y / ☐ N

Time	UTC	Local
Start (BE)	<u>06:11</u>	<u>23:11</u>
Bottom (BO)	<u>06:14</u>	:
End (EN)	<u>06:24</u>	:

Positional Information
Start
Lat: 52°49.310 N
Lon: 129°50.280 W

Bottom
Lat: 52°49.310 N
Lon: 129°50.300 W

Finish
Lat: 52°49.290 N
Lon: 129°50.350 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: 2016-41 Station: HECI Event #: 41 Vessel: Tully UTC Date (dd|mmm|yyyy): 21 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		260	6-5		✓	✓	✓			TC	DO	88	CO ₂			
2		261	6-5				✓			✓	✓	✓	✓			
3		262	100		✓	✓	✓			✓	✓	✓	✓			
4		263	100				✓			✓	✓	✓	✓			
5		264	75		✓	✓	✓									
6		265	75		✓		✓			✓	✓	✓	✓			
7		266	50		✓	✓	✓									
8		267	50				✓			✓	✓	✓	✓			
9		268	30		✓	✓	✓									
10		269	30				✓			✓	✓	✓	✓			
11		270	20		✓	✓	✓									
12		271	20				✓			✓	✓	✓	✓			
13		272	10		✓	✓	✓									
14		273	10				✓			✓	✓	✓	✓			
15		274	0		✓	✓	✓									
16		275	0				✓									
17																
18																
19																
20																
21																
22																
23																
24																

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

Bottom Depth: 130 m
 Transmisso Cleaned: Y / ☒ N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	07:00	00:00
Bottom (BO)	07:03	:
End (EN)	07:13	:

Positional Information

Start	Lat: <u>52° 49.170</u> N
	Lon: <u>129° 50.240</u> W
Bottom	Lat: <u>52° 49.160</u> N
	Lon: <u>129° 50.230</u> W
Finish	Lat: <u>52° 49.130</u> N
	Lon: <u>129° 50.240</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: 2016-41 Station: HAKI Event #: 42 Vessel: TULY UTC Date (dd|mmm|yyyy): 21 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		TDC	DOC	SIB	CDOM	phyc		
1		284	bot-5	✓ 123	✓	✓	✓									
2		285	bot-5	✓ 123			✓			✓	✓	✓	✓			
3		286	100	✓	✓	✓	✓									
4		287	100	✓			✓			✓	✓	✓	✓			
5		288	75		✓✓	✓✓	✓									
6		289	75				✓			✓✓	✓✓	✓	✓			
7		290	50		✓	✓	✓									
8		291	50				✓			✓	✓	✓	✓			
9		292	30		✓	✓	✓									
10		293	30				✓			✓	✓	✓	✓			
11		294	20		✓✓	✓✓	✓	✓✓								
12		295	20				✓			✓	✓	✓	✓			
13		296	10		✓	✓	✓	✓✓								bottles 13+14 fired
14		297	10				✓			✓	✓	✓	✓			w/o 30 second wait
15		298	0		✓	✓	✓	✓✓								
16		299	0				✓	✓✓		✓✓	✓✓	✓	✓	✓		
17																
18																
19																
20																
21																
22																
23																
24																

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)	16:51	09:51
Bottom (BO)	16:54	:
End (EN)	17:05	:

Positional Information
Start
Lat: 51° 42.050 N
Lon: 128° 14.550 W

Bottom
Lat: 51° 42.070 N
Lon: 128° 14.550 W

Finish
Lat: 51° 42.120 N
Lon: 128° 14.610 W

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