

CAST # 54

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: BnC-1 Event #: 226 Vessel: SWL UTC Date (dd|mmm|yyyy): 21 | 7 | 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	Ba	Glu	Cl2							
1		419	Bot-5	✓	42	✓	xx	x	x	x								Bot-5? 42
2		420	25	✓		x	xx	x	x	x								T _m - 0.460
3		421	15	✓		x	xx	x	x	x								S = 32.905
4		422	5	✓		x	xx	x	x	x								
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		Adel
13																		353.116 !
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 47 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	09:28	:
Bottom (BO)	:	:
End (EN)	:	:

Positional Information

Lat:	71° 14' .839	N
Lon:	157° 9' .694	W

Start

Bottom

Lat:	° .	N
Lon:	° .	W

Bottom

Finish

Lat:	° .	N
Lon:	° .	W

Finish

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

Water Properties Group

CAST # 53
Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: BGC-2 Event #: 222 Vessel: SWC UTC Date (dd|mmm|yyyy): 21 | 7 | 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	Be	Gunn	C13					
1		411	Bot-5	✓ 52	X					XX	XX					Bot-5 = 52
2		412	Bot-5	✓ 52	X	XX	X	X	X							T ₂ -1.05
3		413	25	✓						XX	XX					S = 22.22
4		414	25	✓	X	XX	XX	XX	XX							
5		415	15	✓						XX	XX					
6		416	15	✓	X	XX	X	X	X							
7		417	5	✓						XX	XX					
8		418	5	✓	X	XX	X	X	X							
9																
10																! Should
11																be 5 bottles
12																
13																
14																at this
15																station in
16																future
17																years
18																
19																
20																
21																
22																
23																
24																

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

Bottom Depth: 57 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

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

Positional Information

Lat:	71 ° 17 . 292	N
Lon:	157 ° 14 . 738	W

Start

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)

CAST #52

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: BarC-3 Event #: 218 Vessel: UTC Date (dd|mmm|yyyy): 21 | 7 | 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	Be	Grns	Cl3						
				✓	OK			OK	Be	Grns	Cl3						
1		404	B.T-5	✓	87	X	XX	X	X	X							B.T-5 = 87
2		405	75	✓		XX	XX	X	X	X							T2 = -1.49
3		406	50	✓		X	XX	X	X	X							S = 32.19
4		407	35	✓		X	XX	X	X	X							
5		408	25	✓		X	XX	X	X	X							Note! Strong current
6		409	15	✓		X	XX	X	X	X							with angle
7		410	5	✓		X	XX	X	X	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):

Bottom Depth: 92 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 06:36 :
Bottom (BO) : :
End (EN) : :

Positional Information
Start
Lat: 71 ° 19 .813 N
Lon: 157 ° 19 .734 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: 2015-07 Station: BotC-4 Event #: 214 Vessel: SWL UTC Date (dd|mmm|yyyy): 21 | 7 | 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			013	Bo	Gross	C13						
1		388	135-5	✓	109						xx	xx					Bot-5= 109
2		389	Bot-5	✓	109	X	xx	X	X	X							T= -1.60
3		390	100	✓							xx	xx					S= 32.32
4		391	100	✓		X	xx	xx	xx	xx							
5		392	75	✓							xx	xx					
6		393	75	✓		X	xx	X	X								
7		394	50	✓							xx	xx					
8		395	50	✓		X	xx	X	X								
9		396	35	✓							xx	xx					
10		397	35	✓		X	xx	X	X								
11		398	25	✓							xx	xx					
12		399	25	✓		X	xx	X	X								
13		400	15	✓							xx	xx					
14		401	15	✓		X	xx	X	X								
15		402	5	✓							xx	xx					
16		403	5	✓		X	xx	X	X								
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Watchkeeper(s):

Bottom Depth: 112 m

Transmisso Cleaned: (Y) / N

Fluorometer Cleaned: Y / N

Time

UTC

Local

Start (BE)

04 : 54

:

Bottom (BO)

:

:

End (EN)

:

:

Positional Information

Start

Lat: 71 ° 22 . 333 N

Lon: 157 ° 24 . 822 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)

CAST#50

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07Station: Bot-5Event #: 209

Vessel: _____

UTC Date (dd|mmm|yyyy): 21 | 7 | 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				018	Be	Gray	C12					
1		364	Bot-5	✓	121	x	x	x	x	x							Bot-5 = 121
2		365	Bot-5	✓	121												T = -1.67
3		366	100	✓		x	x	x	x	x							S = 32.252
4		367	100	✓													
5		368	75	✓		x	x	x	x	x							
6		369	75	✓													
7		370	50	✓		x	x	x	x	x							
8		371	50	✓													
9		372	35	✓		x	x	x	x	x							
10		373	35	✓													
11		374	35	✓													
12		375	29	✓													
13		376	25	✓		x	x	x	x	x							
14		377	25	✓													
15		378	20	✓													
16		379	17	✓													
17		380	15	✓		x	x	x	x	x							
18		381	10	✓													
19		382	5	✓													
20		383	5	✓													
21		384	5	✓		x	x	x	x	x							
22		385	surface		1.2												
23		386	↓		1.2												
24		387	↓		1.2												

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

Bottom Depth:	130	m
Transmisso Cleaned:	☒ Y / ☐ N	
Fluorometer Cleaned:	☐ Y / ☐ N	
Time	UTC	Local
Start (BE)	:	:
Bottom (BO)	:	:
End (EN)	:	:

Positional Information	
Lat: 71 ° 24 . 605 N	
Lon: 157 ° 29 . 466 W	
▼	
Start	Lat: ° . N
Bottom	Lon: ° . W
▼	
Finish	Lat: ° . N
	Lon: ° . W

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

CAST # 49

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07

Station: BurC-6

Event #: 204

Vessel: SWL

UTC Date (dd|mmm|yyyy): 21 | 7 | 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	Ba	Germ	C13							
					DIC			018	Ba	Germ	C13							
1		350	Bot-5	✓ 106						xx								Bot-5 106
2		351	Bot-5	✓ 106	X	xx	X	X	X									T ₂ -1.67 (C)
3		352	75	✓						xx								S ₂ 32.41 (PSU)
4		353	75	✓	X	xx	X		X									
5		354	50	✓						xx								
6		355	50	✓	✓	xx	X	X	X									
7		356	35	✓						xx								
8		357	35	✓	X	xx	X		X									
9		358	25	✓						xx								
10		359	25	✓	X	xx	X	X	X									
11		360	15	✓						xx								
12		361	15	✓	✓	xx	X		X									
13		362	5	✓						xx								
14		363	5	✓	X	xx	X	X	X									
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 91 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>00:42</u>	:
Bottom (BO)	:	:
End (EN)	:	:

Positional Information

Lat:	<u>71</u> ° <u>27.320</u> N
Lon:	<u>157</u> ° <u>34.705</u> W

Start

Bottom

Finish

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

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: B+C-7 Event #: 200 Vessel: SWC UTC Date (dd|mmm|yyyy): 20 | 7 | 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		344	BOT-5	✓	79	X	X	X	X	X							BOT-5 = 79
2		345	50	✓		X	X	X		X							T2 = 1.68
3		346	35	✓		X	X	X	X	X							S = 32.52
4		347	25	✓		X	X	X		X							
5		348	15	✓		X	X	X		X							
6		349	5	✓		X	X	X	X	X							
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):

Bottom Depth: 82 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	22:40	:
Bottom (BO)	:	:
End (EN)	:	:

Positional Information

Lat:	71	°	30	'	.008	N
Lon:	157	°	40	'	.284	W

Start

Bottom

Finish

Lat:	°	.	N
Lon:	°	.	W

Lat:	°	.	N
Lon:	°	.	W

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

CAST # 47

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: BarC-8 Event #: 195 Vessel: SWL 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									
					DIC				019	02	6mm	C13					
1		332	Bot-5	✓ 67							xx	xx					Bot-5 = 67
2		333	Bot-5	✓ 67	X	xx	X	X	X								T = -1.67
3		334	50	✓							xx	xx					S = 32.81
4		335	50	✓	X	xx	X	X	xx								
5		336	35	✓							xx	xx					
6		337	35	✓	X	xx	X	X	X								
7		338	25	✓							xx	xx					
8		339	25	✓	X	xx	X	X	X								
9		340	15	✓							xx	xx					
10		341	15	✓	X	xx	X	X	X								
11		342	5	✓							xx	xx					
12		343	5	✓	X	xx	X	X	X								
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 72 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	21:25	:
Bottom (BO)	:	:
End (EN)	:	:

Positional Information

Lat:	71° 32' .233	N
Lon:	157° 44' .824	W

Start

Bottom

Finish

Lat: ° . N
Lon: ° . W

Lat: ° . N
Lon: ° . W

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

CAST # 46

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: BGC-9 Event #: 191 Vessel: SWL UTC Date (dd|mmm|yyyy): 20 | 7 | 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'	Be	Gms	C13							
1		326	Bot-5	✓	59	x	x	x	x	x								Bot-5 = 59m
2		327	50	✓		x	x	x	x	x								T = -1.67
3		328	35	✓		x	x	x	x	x								S = 22.57
4		329	25	✓		x	x	x	x	x								
5		330	15	✓		x	x	x	x	x								
6		331	5	✓		x	x	x	x	x								
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):

Bottom Depth: 65 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 20:20 :
Bottom (BO) : :
End (EN) : :

Positional Information
Start
Lat: 71° 34' .682 N
Lon: 157° 49' .915 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)

CAST # 45

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: B-C-10 Event #: 187 Vessel: SWL UTC Date (dd|mmm|yyyy): 20 | 7 | 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			019	B	G	C13						
1		313	Bot-5	✓ 59													Bot-5 = 59
2		314	Bot-5	✓ 59	X	XX	X	X	X								T = -1.63
3		315	Bot-5	✓							XX						S = 32.33
4		316	50	✓	X	XX	X	X	XX								
5		317	50	✓							XX						
6		318	35	✓	X	XX	X	X	X								
7		319	35	✓							XX						
8		320	25	✓	X	XX	X	X	X								
9		321	25	✓							XX						
10		322	15	✓	X	XX	X	X	X								
11		323	15	✓							XX						
12		324	5	✓	X	XX	X	X	X								
13		325	5	✓							XX						
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 64 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	19:26	:
Bottom (BO)	:	:
End (EN)	:	:

Positional Information

Lat:	71° 37' .052	N
Lon:	157° 54' .744	W

Start

Bottom

Finish

Lat:	°	.	N
Lon:	°	.	W

Lat:	°	.	N
Lon:	°	.	W

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

CAST # 44

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: DB04.1 Event #: 183 Vessel: SWC UTC Date (dd|mmm|yyyy): 20 | 7 | 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	B ₁	Gr ₁	C ₁							
1		303	Bot-5	✓	39						XX	XX						Bot-5 = 39m T = -1.41 S = 32.65
2		304	Bot-5	✓	39	XX	XX	X	X	X								
3		305	25	✓							XX	XX						
4		306	35	✓			XX	XX	XX	X								
5		307	25	✓							XX	XX						
6		308	25	✓			XX	X	X	X								
7		309	15	✓							XX	XX						
8		310	15	✓			XX	X	X	X								
9		311	5	✓							XX	XX						
10		312	5	✓		X	XX	X	X	X								
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: 40 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	04:57	:
Bottom (BO)	:	:
End (EN)	:	:

Positional Information

Lat:	70	53	.420	N
Lon:	161	53	.728	W

Start

Bottom

Finish

Lat:	:	.	N
Lon:	:	.	W

Lat:	:	.	N
Lon:	:	.	W

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

Water Properties Group

CAST #42
Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: DB04.2 Event #: 178 Vessel: SWL UTC Date (dd|mmm|yyyy): 20 | 7 | 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	Chlra									
					DIC			Org	Be	Gss	C13						
1		293	Bot-5	✓ 41						xx							Bot-5 = 41m
2		294	Bot-5	✓ 41	x	xx	x	x	x								T = -1.56
3		295	35	✓						xx							S = 32.98
4		296	35	✓		xx	x	x	xx								
5		297	25	✓						xx							
6		298	25	✓		xx	x	x	x								
7		299	15	✓						xx							
8		300	15	✓		xx	x	x	x								
9		301	5	✓						xx							
10		302	5	✓	x	xx	x	x	x								
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: 46 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 02:50 :
Bottom (BO) : :
End (EN) : :

Positional Information
Start Lat: 71° 6.235' N
Lon: 162° 16.463' 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)

CAST #40

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07Station: D304.3Event #: 173Vessel: SWLUTC Date (dd|mmm|yyyy): 20 | 7 | 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	Ba	Ga	C12						
1		283	Bot-5	✓	42					xx	xx						Bot-5: 42
2		284	Bot-5	✓	42	x	xx	x	x	x							T: -1.00
3		285	35	✓						xx	xx						S: 32.09
4		286	35	✓		xx	xx	xx	x								
5		287	25	✓						xx	xx						
6		288	25	✓		xx	x	x	x								
7		289	15	✓						xx	xx						
8		290	15	✓		xx	x	x	x								
9		291	5	✓						xx	xx						
10		292	5	✓		x	xx	x	x								
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: 46 m
 Transmisso Cleaned: (Y) / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>00:40</u>	:
Bottom (BO)	:	:
End (EN)	:	:

Positional Information

Lat:	<u>71</u> ° <u>13</u> . <u>964</u> N
Lon:	<u>162</u> ° <u>39</u> . <u>040</u> W

Start

Bottom

Finish

Lat: ° . N
 Lon: ° . W

Lat: ° . N
 Lon: ° . W

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

Water Properties Group

CAST # 38
Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: DB04.4 Event #: 167 Vessel: SVIL UTC Date (dd|mmm|yyyy): 19 | 7 | 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	Bot	Grm	C13							
1		263	Bot-5	✓	39	X	XX	X	X	X								Bot-5: 39
2		264	Bot-5	✓	39													Te -1.577
3		265		✓														S = 32.83
4		266	35	✓														
5		267	35	✓			XX	X	X	XX								
6		268	35	✓														
7		269	35	✓														
8		270	25	✓														
9		271	25	✓			XX	X	X	X								
10		272	20	✓														
11		273	15	✓														
12		274	15	✓														
13		275	15	✓			XX	X	X	X								
14		276	11	✓														
15		277	5	✓														
16		278	5	✓														
17		279	5	✓		X	XX	X	X	X								
18		280	surface	✓	1.1													
19		281		✓	1.1													
20		282		✓	1.1													
21																		
22																		
23																		
24																		

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

Bottom Depth: 44 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

CAST # 36
Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: D1304.5 Event #: 161 Vessel: SWL UTC Date (dd|mmm|yyyy): 19 | 7 | 2005

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			018	Ba	Gm	C12						
1		253	Bot-5	✓ 37						XX	XX						Bot-5 = 37m
2		254	Bot-5	✓ 37	X	XX	X	X	X								Tr = 1.609
3		255	35	✓						XX	XX						S = 32.771
4		256	35	✓		XX	XX	XX	X								
5		257	25	✓						XX	XX						
6		258	25	✓		XX	X	X	X								
7		259	15	✓						XX	XX						
8		260	15	✓		XX	X	X	X								
9		261	5	✓						XX	XX						
10		262	5	✓	X	XX	X	X	X								
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: 42 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	19:05	:
Bottom (BO)	:	:
End (EN)	:	:

Positional Information

Lat:	71° 29.398	N
Lon:	163° 24.613	W

Start

Bottom

Lat:	°	.	N
Lon:	°	.	W

Bottom

Finish

Lat:	°	.	N
Lon:	°	.	W

Finish

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

⇒ D1304.4 Phyto. station
DAP, Ros, NET, OPTIX, 170085

CAST # 34

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2005-07 Station: D1304.6 Event #: 155 Vessel: SWL UTC Date (dd|mmm|yyyy): 19 | 7 | 2005

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)										Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy- DIC	Nut	Sal	Chl a								
					013	13c	Gunn	43								
1		248	Bot-5	✓ 37	XX	XX	X	X	X							Bot-5 = 37
2		249	35	✓ 37		XX	X	X	XX							T ₂ - 1.53
3		250	25	✓		XX	X	X	X							S ₂ 32.97
4		251	15	✓		XX	X	X	X							
5		252	5	✓	X	XX	X	X	X							
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

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

Bottom Depth: 42 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	16:00	:
Bottom (BO)	:	:
End (EN)	:	:

Positional Information

Lat:	71° 37.007	N
Lon:	163° 47.357	W

Start

Bottom

Finish

Lat:	°	.	N
Lon:	°	.	W

Lat:	°	.	N
Lon:	°	.	W

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

ADCP, Ros, OPTIX, 1700x5, NET
156 158 159 157

CAST # 33

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07

Station: OTN-7

Event #: 151

Vessel: SWL

UTC Date (dd|mmm|yyyy): 18 | 7 | 2015

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Θxy	Nut	Sal	Chl-a	Be	Gang	C13							
1		236	Bot-5	✓	52						xx	xx						Bot-5 = 52m T = 3.225 S = 32.996
2		237	Bot-5	✓	52		xx	x	x	x								
3		238	50	✓							xx	xx						
4		239	50	✓		xx	xx	xx	x									
5		240	35	✓							xx	xx						
6		241	35	✓		xx	x	x	x									
7		242	25	✓							xx	xx						
8		243	25	✓		xx	x	x	x									
9		244	15	✓							xx	xx						
10		245	15	✓		xx	x	x	x									
11		246	5	✓							xx	xx						
12		247	5	✓		xx	x	x	x									
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth:	58	m
Transmisso Cleaned:	Y / N	
Fluorometer Cleaned:	Y / N	

Time	UTC	Local
Start (BE)	12 :33	:
Bottom (BO)	:	:
End (EN)	:	:

Positional Information
Start
Lat: 67 ° 59 . 998 N
Lon: 168 ° 56 . 618 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)

CAST # 32

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07Station: SEC-1Event #: 147Vessel: SWLUTC Date (dd|mmm|yyyy): 18 | 7 | 2015

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy <i>DIC</i>	Nut	Sal	Chl a' <i>013</i>	<i>DIC</i>	<i>652</i>	<i>C13</i>							
1		226	<i>Bot-5</i>	✓ <i>46</i>						<i>XX</i>	<i>XX</i>							<i>Bot-5 = 46</i>
2		227	<i>Bot-5</i>	✓ <i>46</i>	<i>X</i>	<i>XX</i>	<i>X</i>	<i>X</i>	<i>X</i>									<i>T2 3.41</i>
3		228	<i>35</i>	✓						<i>XX</i>	<i>XX</i>							<i>S = 32.83</i>
4		229	<i>35</i>	✓		<i>XX</i>	<i>X</i>	<i>X</i>	<i>XX</i>									
5		230	<i>25</i>	✓						<i>XX</i>	<i>XX</i>							
6		231	<i>25</i>	✓		<i>XX</i>	<i>X</i>	<i>X</i>	<i>X</i>									
7		232	<i>15</i>	✓						<i>XX</i>	<i>XX</i>							
8		233	<i>15</i>	✓		<i>XX</i>	<i>X</i>	<i>X</i>	<i>X</i>									
9		234	<i>5</i>	✓						<i>XX</i>	<i>XX</i>							
10		235	<i>5</i>	✓	<i>X</i>	<i>XX</i>	<i>X</i>	<i>X</i>	<i>X</i>									
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth:	<u>51</u> m
Transmisso Cleaned:	<u>Y</u> / <u>N</u>
Fluorometer Cleaned:	<u>Y</u> / <u>N</u>

Time	UTC	Local
Start (BE)	<u>03 : 44</u>	:
Bottom (BO)	:	:
End (EN)	:	:

Positional Information	
Lat:	<u>67° 40' .192 N</u>
Lon:	<u>168° 57' .599 W</u>

Start

Bottom

Finish

Lat:	°	.	N
Lon:	°	.	W

Lat:	°	.	N
Lon:	°	.	W

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

Water Properties Group

CAST # 31
Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: SEC-2 Event #: 143 Vessel: SWC UTC Date (dd|mmm|yyyy): 18 | 7 | 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			018	Bc	61-24	C13						
1		221	Bot-5	✓ 44	X	X X	X	X	X								Bot-5 = 44
2		222	35	✓		X X	X X	X X	X								T = 3.48
3		223	25	✓		X X	X	X	X								S = 32.75
4		224	15	✓		X X	X	X	X								
5		225	5	✓	X	X X	X	X	X								
6																	
7																	
8																	
9																	
10								X	X								
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: 50 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 06 : 20 :
Bottom (BO) : :
End (EN) : :

Positional Information
Start Lat: 67 ° 46 . 956 N
Lon: 163 ° 36 . 112 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)

Cast #30

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: UTN-6 Event #: 139 Vessel: SWL

UTC Date (dd|mmm|yyyy): 18 | 7 | 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			OR	B	G	C13					
1		216	Bot-5	✓ 43		xx	x	x	x							Bot-5 = 43m
2		217	35	✓		xx	x	x	xx							T = 36.8
3		218	25	✓		xx	x	x	x							S = 32.81
4		219	15	✓		xx	x	x	x							
5		220	5	✓		xx	x	x	x							
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

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

Bottom Depth: 49 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	<u>04:58</u>	:
Bottom (BO)	:	:
End (EN)	:	:

Positional Information

Lat:	<u>67° 44.378</u>	N
Lon:	<u>168° 26.360</u>	W

Start

Bottom

Finish

Lat:	°	.	N
Lon:	°	.	W

Lat:	°	.	N
Lon:	°	.	W

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

CAST #29

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07

Station: SEC-3

Event #: 135

Vessel: SWL

UTC Date (dd|mmm|yyyy): 18 | 7 | 2015

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy DIC	Nut	Sal	Chl a O13	Bc	G-13	C10							
1		206	Bot-5	✓	54					xx	xx							Bot-5 ~ 54
2		207	Bot-5	✓	54	x	xx	x	x	x								T ~ 3.67
3		208	35	✓						xx	xx							S ~ 32.69
4		209	35	✓			xx	xx	xx	x								
5		210	25	✓						xx	xx							
6		211	25	✓			xx	x	x	x								
7		212	15	✓						xx	xx							
8		213	15	✓			xx	x	x	x								
9		214	5	✓						xx	xx							
10		215	5	✓		x	xx	x	x	x								
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: 59 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

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

Positional Information

Lat:	67° 53' . 854	N
Lon:	168° 14' . 060	W

Start

Bottom

Finish

Lat:	°	.	N
Lon:	°	.	W

Lat:	°	.	N
Lon:	°	.	W

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

CAST # 28

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: SEC-4 Event #: 131 Vessel: Swc UTC Date (dd|mmm|yyyy): 18 | 7 | 2015

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy- DIC	Nut	Sal	Chl-a O13	Ba	Gua	Cl3							
1		201	1307.5	✓	47	XX	XX	X	X	X								Bot-52 47m
2		202	35	✓			XX	X	X	XX								T = 3.14
3		203	25	✓			XX	X	X	X								S = 32.31
4		204	15	✓			XX	X	X	X								
5		205	5	✓		X	XX	X	X	X								
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 52 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

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

Positional Information

Lat: 68 ° 0 . 776 N

Lon: 167 ° 51 . 998 W

Start

Bottom

Finish

Lat: ° . N

Lon: ° . W

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: 2015-07 Station: S2C-5 Event #: 127 Vessel: SWL UTC Date (dd|mmm|yyyy): 17 | 7 | 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	OC	DOC	POC	Chl b	Chl c	Chl d	Chl e	Chl f
				✓	Die			OC	OC	DOC	DOC					
1		191	13.75	✓ 45						XX						13.75 45m
2		192	13.75	✓ 45	X	XX	X	X	X							73 3.61
3		193	35	✓						XX						57 31.95
4		194	35	✓		XX	XX	X	X							
5		195	25	✓						XX						
6		196	25	✓		XX	X	XX	XX							
7		197	15	✓						XX						
8		198	15	✓		XX	X	X	X							
9		199	5	✓						XX						
10		200	5	✓	X	XX	X	X	X							
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: 50 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	21:50	:
Bottom (BO)	:	:
End (EN)	:	:

Positional Information

Lat:	68° 7.621	N
Lon:	167° 29.737	W

Start

Bottom

Finish

Lat:	°	.	N
Lon:	°	.	W

Lat:	°	.	N
Lon:	°	.	W

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

CAST #26

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: SEC-6 Event #: 122 Vessel: SWL UTC Date (dd|mmm|yyyy): 17 | 7 | 2015

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy DIC	Nut	Sal	Chl-a D18	Be	Gm	C13							
1		186	Bot-5	✓	44	X	XX	X	X	X								Bot-5 ~ 44m
2		187	35	✓			XX	X	X	X								T = 3.95
3		188	25	✓			XX	X	X	X								S = 32.05
4		189	15	✓			XX	X	X	X								
5		190	5			X	XX	X	X	X								
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 48 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	20 : 23	:
Bottom (BO)	:	:
End (EN)	:	:

Positional Information

Lat:	68 ° 11 . 093	N
Lon:	167 ° 18 . 498	W

Start

Bottom

Finish

Lat:	° .	N
Lon:	° .	W

Lat:	° .	N
Lon:	° .	W

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

Ros, ADCP, NET, OPTIX, 1700x2

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: SEC-7 Event #: 118 Vessel: SWL UTC Date (dd|mmm|yyyy): 17 | 7 | 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		176	Bot-5	✓	37						X	XX						Bot-5 = 37m
2		177	Bot-5	✓	37	X	XX	X	X	X								T = 5.10
3		178	25	✓							XX	XX						S = 31.463
4		179	25	✓			XX	XX	XX	X								
5		180	25	✓							XX	XX						
6		181	25	✓			XX	X	X	XX								
7		182	15	✓							XX	XX						
8		183	15	✓			XX	X	X	X								
9		184	5	✓							XX	XX						
10		185	5	✓		X	XX	X	X	X								
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: 48 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

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

Positional Information

Lat:	68° 14.490	N
Lon:	167° 7.345	W

Start



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)

ROS, ADC, MET, ORO, MUX 2
118 119 120 121 122

CAST # 24

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: SEC-8 Event #: 113 Vessel: SWC UTC Date (dd|mmm|yyyy): 17 | 7 | 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	OC	DOC	POC	Si	P	Fe	Mn	Zn	
					DIC			0.18	1.2	6.85	0.13						
1		172	Bot-5	✓ 30	X	X	X	X	X								Bot-5 = 30m
2		173	25	✓		X	X	X	X								T = 6.019
3		174	15	✓		X	X	X	X								S = 31.270
4		175	5	✓	X	X	X	X	X								
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):

Bottom Depth: 35 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N
Time UTC Local
Start (BE) 17 : 00 :
Bottom (BO) : :
End (EN) : :

Positional Information
Start
Lat: 68° 18' .119 N
Lon: 166° 56' .351 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)

ADP ROS, NOT M-0 x 2 OPTIX
114 115 116 117

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: UTN-4 Event #: 109 Vessel: SWL UTC Date (dd|mmm|yyyy): 17 | 7 | 2015

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy DIC	Nut	Sal	Chl a O18	Be	Germ	C13						
1		152	Bot-5	✓ 44		xx	x	x	x								Bot-5 2 44m
2		153		✓ 44													T = 2.696
3		154		✓ 44													S = 22.705
4		155		✓ 44													
5		156	35	✓		xx	xx	x	x								
6		157	35	✓													
7		158	35	✓													
8		159	35	✓													
9		160	25	✓		xx	x	x	x								
10		161	25	✓													
11		162	25	✓													
12		163	19	✓													
13		164	15	✓		xx	x	x	x								
14		165	8	✓													
15		166	5	✓													
16		167	5	✓													
17		168	5	✓		xx	x	x	x								
18		169	swt 13	✓ 1.3													
19		170	1.3	✓ 1.3													
20		171	1.3	✓ 1.3													
21																	
22																	
23																	
24																	

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

Bottom Depth: 50 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

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

Positional Information

Lat:	<u>67° 29' .988</u>	N
Lon:	<u>168° 56' .538</u>	W

Start

Bottom

Finish

Lat:	°	.	N
Lon:	°	.	W

Lat:	°	.	N
Lon:	°	.	W

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

Water Properties Group

CAST # 22
Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: UTA-3 Event #: 105 Vessel: SWL UTC Date (dd|mmm|yyyy): 17 | 7 | 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		142	Bot-5	✓ 44						xx	xx	} NOTE! Bot-5 = 44m T = 2.89% S = 32.769					
2		143	Bot-5	✓ 44		xx	x	x	x								
3		144	35	✓						xx	xx						
4		145	35	✓		xx	x	xx	xx								
5		146	25	✓						xx	xx						
6		147	25	✓		xx	x	x	x								
7		148	15	✓						xx	xx						
8		149	15	✓		xx	x	x	x								
9		150	5	✓						xx	xx						
10		151	5	✓		xx	x	x	x								
11																	
12																	
13																	
14																	
15												Using bottle 1 instead of bottle 2 since bottle 2 is full of jellyfish.					
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 49 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	04:17	:
Bottom (BO)	:	:
End (EN)	:	:

Positional Information

Lat:	67° 19.657	N
Lon:	168° 56.534	W

Start



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)

CAST #21

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: UTN-2 Event #: 100 Vessel: SWL UTC Date (dd|mmm|yyyy): 17 | 7 | 2015

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy DIC	Nut	Sal	Chl-a O18	Bc	Glu	C13						
1		137	Bot-5	✓ 40		xx	x	x	x								Bot-5 = 40
2		138	35	✓		xx	xx	xx	x								T = 4.756
3		139	25	✓		xx	x	x	xx								S = 32.297
4		140	15	✓		xx	x	x	x								
5		141	5			xx	x	x	x								
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 46 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

Time UTC Local
Start (BE) 01:26 :
Bottom (BO) : :
End (EN) : :

Positional Information
Start
Lat: 67 ° 2 . 992 N
Lon: 168 ° 43 . 688 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)

CAST #20

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: 07N-1 Event #: 95 Vessel: Suez UTC Date (dd|mmm|yyyy): 16 | 7 | 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	B	G	C13							
					DIC				OB	B	G	C13						
1		129	Bot-5	✓ 28						xx	xx							Bot-5 - 28m
2		130	Bot-5	✓ 28	xx	xx	x	x	x									Tr 5.023
3		131	25	✓						xx	xx							St 31.863
4		132	25	✓		xx	x	x	x									
5		133	15	✓						xx	xx							
6		134	15	✓		xx	x	x	x									
7		135	5	✓						xx	xx							
8		136	5	✓	x	xx	x	x	x									
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

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

Positional Information	
Start	Lat: 66° 42.653 N
	Lon: 168° 23.939 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)

R-S OPTIX
NOT
ADUP MUDS

CAST # 19

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07

Station: BR5-3

Event #: 93

Vessel: SWC

UTC Date (dd|mmm|yyyy): 16 | 7 | 2005

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			013	DIC	G400	C13						
1		119	1307-5	✓ 46						XX	XX						D.T-5:
2		120	1307-5	✓ 46	X	XX	X	X	X								T = 2.552
3		121	35	✓						XX	XX						S = 32.802
4		122	35	✓		XX	XX	X	X								
5		122	25	✓						XX	XX						
6		124	25	✓		XX	X	XX	XX								
7		125	15	✓						XX	XX						
8		126	15	✓		XX	X	X	X								
9		127	5	✓						XX	XX						
10		128	5	✓	X	XX	X	X	X								
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:

Ros (default) | TrMetIRos | X-Niskin

Watchkeeper(s):

Bottom Depth: 52 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

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

Positional Information

Lat: 65° 42' . 270	N
Lon: 168° 46' . 656	W

Start

Bottom

Finish

Lat: ° .	N
Lon: ° .	W

Lat: ° .	N
Lon: ° .	W

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

CAST #18

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07Station: UTBS-1Event #: 89Vessel: 502UTC Date (dd|mmm|yyyy): 16 | 7 | 2015

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy Dic	Nut	Sal	Chl-a										
1		103	Bot-5	✓ 44		xx	x	x	x									Bot-5 = 44m
2		104	Bot-5	✓ 44														T = 2.488
3		105	Bot-5	✓ 44														S = 32.74°
4		106	25	✓														
5		107	25	✓		xx	x	x	x									
6		108	25	✓														
7		109	15	✓														
8		110	15	✓														
9		111	15	✓		xx	x	x	x									
10		112	10	✓														
11		113	8	✓														
12		114	6	✓														
13		115	5	✓		xx	x	x	x									
14		116	surf	✓ 1.6														
15		117	1	✓ 1.6														
16		118	1	✓ 1.6														2 Filtered
17																		
18																		Skipped Se 5 to 41m!
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth:	<u>48</u>	m
Transmisso Cleaned:	☐ Y	☐ N
Fluorometer Cleaned:	☐ Y	☐ N

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

Positional Information
Lat: <u>64° 59' .479</u> N
Lon: <u>169° 8' .404</u> W

Start

Bottom

Finish

Lat:	°	.	N
Lon:	°	.	W

Lat:	°	.	N
Lon:	°	.	W

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

CAST # 17

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: UTBS-4 Event #: 85 Vessel: SWC UTC Date (dd|mmm|yyyy): 16 | 7 | 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	DO	DO	DO	DO	DO	DO	DO	DO	
1		93	130T-5	✓ 44							xx	x					DO-T-5:
2		94	130T-5	✓ 44	x	xx	x	x	x								T= 2.646
3		95	35	✓							xx	x					S= 32.877
4		96	35	✓		xx	xx	x	x								
5		97	25	✓							xx	x					
6		98	25	✓		xx	x	x	x								
7		99	15	✓							xx	x					
8		100	15	✓		xx	x	x	x								
9		101	5	✓							xx	x					
10		102	5	✓	x	xx	x	x	x								
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: 48 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

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

Positional Information

Lat:	64° 57' . 665	N
Lon:	169° 53' . 266	W

Start

Bottom

Finish

Lat:	°	.	N
Lon:	°	.	W

Lat:	°	.	N
Lon:	°	.	W

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

Ros Acc'd
NET M-035

CAST #15

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: UTBS-2 Event #: 80 Vessel: SWC UTC Date (dd|mmm|yyyy): 16 | 7 | 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									
					Oic			O14	B-	Gm	C12						
1		83	Bot-5	✓ 40						xx	xx						Bot-5
2		84	Bot-5	✓ 40		xx	x	x	x								T= 2500
3		85	35	✓						xx	xx						S= 32.890
4		86	35	✓		xxx	x	xx	xx								
5		87	25	✓						xx	xx						
6		88	25	✓		xxx	x	x	x								
7		89	15	✓						xx	xx						
8		90	15	✓		xxx	x	x	x								
9		91	5	✓						xx	xx						
10		92	5	✓		xxx	x	x	x								
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: 45 m
Transmisso Cleaned: (Y) / N
Fluorometer Cleaned: Y / N

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

Positional Information

Lat:	64 ° 40 . 945	N
Lon:	169 ° 6 . 324	W

Start

Bottom

Finish

Lat:	°	.	N
Lon:	°	.	W

Lat:	°	.	N
Lon:	°	.	W

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

Water Properties Group

CAST # 14
Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: UT135-5 Event #: 75 Vessel: SWL UTC Date (dd|mmm|yyyy): 15 | 7 | 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	Ba	Gupp	C13	nut					
					016			018	Ba	Gupp	C13	F					
1		78	13.5	✓ 43		xxxx	X	X	X								T = 3.072
2		79	35	✓		xxxx	XX	X	X								S = 32.81
3		80	25	✓		xxxx	X	XX	XX								
4		81	15	✓		xxxx	X	X	X								
5		82	5	✓		xxxx	X	X	X								
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 48 m
Transmisso Cleaned: Y / N
Fluorometer Cleaned: Y / N

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

Positional Information

Start	Lat: 64 ° 40.327 N
	Lon: 169 ° 55.367 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)

CAST # 11

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07 Station: BCL-6A Event #: 71 Vessel: _____ UTC Date (dd|mmm|yyyy): 15 | 3-1 | 2015

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed ✓ Pressure	Oxy- DIC	Nut	Sal	Chl-a	B	G _{ac}	C13							
1		68	Bot-5'	✓ 49						XX	XX							Bot-5'
2		69	Bot-5'	✓ 49	X	XX	X	X	X									T= 2.540
3		70	35	✓						XX	XX							S= 33.306
4		71	35	✓		XX	X	X	XX									
5		72	25	✓						XX	XX							
6		73	25	✓		XX	X	X	X									
7		74	15	✓						XX	XX							
8		75	15	✓		XX	X	X	X									
9		76	5	✓						XX	XX							
10		77	5	✓	X	XX	X	X	X									
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: 53 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

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

Positional Information

Start	Lat: <u>63</u> ° <u>55</u> ' <u>19</u> " N
	Lon: <u>172</u> ° <u>5</u> ' <u>98</u> " 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)

CAST # 8

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-07Station: SLIP-4Event #: 65Vessel: SWLUTC Date (dd|mmm|yyyy): 15 | 7 | 2015

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy Dic	Nut	Sal	Chl a	Ba	Gunn	C13	F CH	F SPM	F CO ₂				
1		46	Bot-5	✓ 68						xx	xx							T = 1.165 S = 22.052
2		47	Bot-5	✓ 68	x	xx	x	x	x									
3		48	Bot-5	✓ 68														
4		49	62	✓														
5		50	50	✓						xx	xx							
6		51	50	✓		xx	x	x	x									
7		52	50	✓														
8		53	50	✓														
9		54	35	✓						xx	xx							
10		55	35	✓		xx	x	x	x									
11		56	35	✓														
12		57	35	✓														
13		58	25	✓						xx	xx							
14		59	25	✓		xx	x	x	x									
15		60	15	✓														
16		61	15	✓														
17		62	15	✓						xx	xx							
18		63	15	✓		xx	x	x	x									
19		64	12	✓														
20		65	5	✓														
21		66	5	✓						xx	xx							
22		67	5	✓	x	xx	x	x	x									
23			51.5	✓														
24			51.5	✓														

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

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

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

Positional Information
Lat: 63 ° 1 . 759 N
Lon: 173 ° 27 . 602 W

Start

Bottom

Finish

Lat:	°	.	N
Lon:	°	.	W

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: 2015-07 Station: SLIP-5 Event #: 60 Vessel: Suez UTC Date (dd|mmm|yyyy): 15 | 7 | 2015

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)												Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy Dic	Nut	Sal	Chl a	Ba	Grav	C13	F CH	F SPM	F COM				
1		34	BOT-5	✓ 60						XX	XX							
2		35	BOT-5	✓ 60			XX	X	X	X								T ₂ -0.702
3		36	50	✓						XX	XX							S = 32.3
4		37	50	✓			XX	XX	XX	X								
5		38	35	✓						XX	XX							
6		39	35	✓			XX	X	X	XX								Beachball
7		40	25	✓						XX	XX							Sunny, calm
8		41	25	✓			XX	X	X	X								evening
9		42	15	✓						XX	XX							
10		43	15	✓			XX	X	X	X								
11		44	5	✓						XX	XX							
12		45	5	✓			XX	X	X	X								
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 66 m
 Transmisso Cleaned: Y / N
 Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	02:20	:
Bottom (BO)	:	:
End (EN)	:	:

Positional Information

Lat:	62° 33.617	N
Lon:	173° 33.071	W

Start

Bottom

Finish

Lat:	°	.	N
Lon:	°	.	W

Lat:	°	.	N
Lon:	°	.	W

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