

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

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Month			July		Year		2016		Vessel			Cruise ID				
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Positional Longitude	Bottom Depth	Max Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments	
	start		:05			LC	° . °	° . °			-			☐ ☐		
			:10		part		° 0	° 0	local	2	July 2016			☐ ☐		
			:				° . °	° . °						☐ ☐		
			:50		for		Loop	° rtd	~1400		local			☐ ☐		
			:				° . °	° . °			-			☐ ☐		
			: UTC =		Pacific		° local	° +	7 hrs		-			☐ ☐		
			:				° . °	° . °			-			☐ ☐		
1	NP-1	3	:13	BE ROS	US	H	° 128	° 24	174	24	1-24	24		☒ ☐	p	
			:15	:32 BO	ROS		49 ° 41	° 110	123 ° 23	° 800	-			☐ ☐		
			:16	:09 EN			° . °	° 128	° 23	° 280	-			☐ ☐	p	
			:				° . °	° . °			-			☐ ☐		
			:20		Zooplank		° . °	° . °	° to F		d A-frame			☐ ☐		
			:		This was		° . °	° . °	° st m		- supply crossed			☐ ☐		
			:				° . °	° . °			-			☐ ☐		
2		3	:16		DRF		° . °	° . °			-			☐ ☐	Arso Float	
			:21				° . °	° . °			-			☐ ☐		
3		3	:21:00		UCTD		° . °	° . °			-			☐ ☐		
			:				° . °	° . °			-			☐ ☐		
			:				° . °	° . °			-			☐ ☐		

Event Type:
BOT = Bottle cast (no CTD)
CTD = Standalone CTD
ROS = CTD in Rosette
SET = Fish Set

Bottle Firing Method:
US = Up / Stop (default)
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Time Code:
BE = Beginning Time of Cast
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CTD Transmissometer and Fluorometer to be cleaned before each cast -- do not use Ammonia products
DE = Deployment Time
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RE = Recover Mooring Time

Notes:

Produced by the Water Properties Group, IOS
WaterProperties.ca
Version: 14 February 2013

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DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

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4	NP-2	4	01:09	BE	ROS	US	50° 9.300	130° 2.072	>1800	1000	25 - 41	17	50, 52, 000	☒	P20.0 Sec. 14700
4	NP-2	4	01:20	BO	ROS	US	50° 9.370	130° 1.768			-			☐	
4	NP-2	4	01:55	EN			50° 9.460	130° 1.210			-			☐	
5			:		NET		° .	° .			-			☐	
6	NP-3	4	15:13	BE	ROS	US	50° 56.040	132° 54.900	>1800	1000	42 - 58	17		☒	P20.1 Sec. 21700
			15:32	BO			50° 56.050	132° 54.564			-			☐	
			15:59	EN			50° 56.070	132° 54.160			-			☐	
7		4	:		NET		° .	° .			-			☐	
8			09:00		UCTD		° .	° .			-			☐	
9			16:30		DRF		° .	° .			-			☐	SIN 0327 A-20 2
10			21:00		UCTD		° .	° .			-			☐	
11	NP-4	5	01:03	BE	ROS	US	51° 28.630	135° 6.818	3450	1000	59 - 75	17		☒	P20.0 Sec. # 11800
			01:25	BO	ROS	US	51° 28.810	135° 6.670			-			☐	
			01:49	EN	ROS	US	51° 28.999	135° 6.520			-			☐	
12	NP-4		01:55		NET		° .	° .			-			☐	
13	NP-4		02:14		DRF		° .	° .			-			☐	SIN 0326 A-20 3
14			:		UCTD		° .	° .			-			☐	
15	NP-5	5	15:02	BE	ROS	US	52° 12.500	138° 44.303	3580	1000	76 - 99	24		☒	P20.0 Sec. # 13800
			15:20	BO			52° 12.750	138° 44.170			-			☐	

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Notes:

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CTD file numbers 1, 2, 3, 4. Station NP-1, 2, 3, 4
 From NP-5 and onwards CTD file numbers
 number with event numbers.

Found that foam collar had been left on surface PAR sensor during
 previous casts. This has been removed.

Ocean Sciences Division, Institute of Ocean Sciences

DAILY SCIENCE LOG

Month				Year		Vessel		Cruise ID							
2017				2016		SWC		2016-17							
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15	NP-5	5	16:00	EN	ROS	US	52° 13.154	138° 43.909	3580	1000	71 - 99	24		☒	P2-0.1
16			:		NET		°	°			-			☐	
17			21:00		UCTD		°	°			-			☐	
18	NP-6	6	01:07	BE	ROS	US	52° 39.244	141° 10.697	3720	1000	100 - 116	17		☒	P2-0.1 Sec. 12200
			01:27	BO	ROS	US	52° 39.293	141° 10.403			-			☐	
			01:59	EN	ROS	US	52° 37.370	141° 9.894			-			☐	P2-0.0
19			:		NET		°	°			-			☐	
20			:		UCTD		°	°			-			☐	
21	NP-7	6	15:05	BE	ROS	US	53° 10.202	144° 54.558	4085	1900	117 - 137	21		☒	P2-0.1 Sec. 15000
			15:38	BO			53° 10.109	144° 54.769			-			☐	
			16:23	EN			53° 10.043	144° 54.779			-			☐	
22			:		NET		°	°			-			☐	
23			21:00		UCTD		°	°			-			☐	
24	NP-8	7	01:05	BE	ROS		53° 27.440	147° 26.544	4021	1000	138 - 154	17		☒	P2-0.1 Sec. 7200
			01:28	BO			53° 27.460	147° 26.360			-			☐	
			01:52	EN			53° 27.436	147° 26.261			-			☐	
25	NP-8		02:00		NET		53° 27.426	147° 26.261			-			☐	
26	NP-8		02:14		DRE		53° 27.436	147° 26.261			-			☐	Ar. H44 SN 0325
27			:		UCTD		°	°			-			☐	

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WaterProperties.ca
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This page is for any notes or observations

Month				Year		Vessel		Cruise ID						
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Information	Bottom Depth	Max Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/Fl Cleaned	Comments
28	NP-9	7	15:03	BE	ROS	US	53° 48.864 151° 19.658	4573	1000	155 - 178	24		☒	P.O.I. Sec. # 9300
			15:21	BO			53° 49.014 151° 19.390			-			☐	
			15:49	EN			53° 49.170 151° 19.308			-			☐	
29	NP-9		15:55		NET		53° 49.170 151° 19.308			-			☐	
30	NP-9		:		DRF		° °			-			☐	
31			21:02		UCTD		° °			-			☐	
32	NP-10	8	01:06	BE	ROS	US	53° 58.000 153° 55.740	4626	1000	179 - 195	17		☒	P.O.I. Sec. # 10000
			01:27	BO			53° 58.046 153° 55.500			-			☐	
			01:52	EN			53° 58.039 153° 55.183			-			☐	
33			:		NET		° °			-			☐	
34			:		DRF		° °			-			☐	Ago Float #6
35			:		UCTD		° °			-			☐	
36	NP-11	8	15:02	BE	ROS	US	54° 7.194 158° 51.768	3329	1000	196 - 219	24		☒	P.O.I. Sec. # 8500
			15:21	BO			54° 7.426 158° 52.240			-			☐	
			15:49	EN			54° 7.806 158° 52.607			-			☐	
37	NP-11		15:55		NET		54° 7.806 158° 52.607		100	-			☐	
38			:		UCTD		° °			-			☐	
39	NP-17	9	01:08	BE	ROS	US	54° 7.352 161° 45.370	102	97	220 - 236	17		☒	P.O.I. Sec. # 14000
			01:22	BN			54° 7.610 161° 45.395			-			☐	

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

Supposed to be 1000 + m.
 Suddenly we were in a room of
 water.
 No more CTOS or UC70s before
 at the Dufel Hudson.

DAILY SCIENCE LOG										Cruise ID		Vessel		Year		Month	
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Information	Bottom Depth	Max Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments			
40	NP-12	9	01:30		NET		54° 7.610 161° 45.295	100		-			☐				
			:				° °			-			☐				
	Arrive in Dutch Harbor ~ 1200 local ship time									9 July (1900 UTC)			☐				
	CTD/TSG data collection turned off						° °			-			☐				
	12 kits turned off						° °			-			☐				
			:				° °			-			☐				
41	SLIP-1	12	20:53	BE	ROS	US	62° 0.610 175° 3.793	80	76	237-250	14		☒	Scan # 7200			
			21:02	BO			62° 0.636 175° 3.840			-			☐				
			21:12	EN			62° 0.720 175° 4.000			-			☐	p2 0.0			
42	SLIP-1		:		ADCP		° °			-			☐				
43			:		NET		° °			-			☐				
44			:		OPTIX		° °			-			☐				
45			:		Moss		° °			-			☐				
46	SLIP-2	13	00:42	BE	ROS	US	62° 3.157 175° 12.726	81	77	251-257	7	Subs low	☒	P20-1 Scan # 12600			
			00:47	BO			62° 3.190 175° 12.690			-			☐				
			00:55	EN			62° 3.250 175° 12.672			-			☐				
47			:		ADCP		° °			-			☐				
48			:		Net		° °			-			☐				
49			:		Canister		° °			-			☐				

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Jelly on rosette.

Rosette covered w/2 jellyfish

SLIP-1

: Replay cast, see that jelly sucked into plumbing @ 50m on upcast. Don't see secondary salt. Fluorometer (and oxygen?) also affected.

Also did a camera cast ~~from~~ YSA

SLIP-2: After cast looked at plumbing. A 4cm jelly-part ^{was} removed from secondary T+C pair. Secondary Salt looks poor and this cast due to jelly plug. Primary plumbing flushed as well. From pump end + Temperature inlet end of Oxygen Down + Up profile differs both in concentration & in depth of max/min features. Perhaps jelly was in primary line as well?

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50	SLIP-2	13	:		MUOAS		° .	° .			-			☐	
51	SLIP-2B	13	03:50	BE	CTD	-	62° 13.150	174° 52.950	77	72	-	0	SV	☒	Sea # 5900
			03:55	BO			° 13.156	° 52.884			-			☐	
			03:59	EN			° 13.158	° 52.850			-			☐	
52	SLIP-3		05:30	BE	ROS	US	62° 23.310	174° 34.330	72	67	258 - 269	12		☒	P.O. Sea # 11700
	SLIP-3		05:34	BO			° 23.319	° 34.240			-			☐	
			05:42	EN			° 23.364	174° 34.206			-			☐	
53	SLIP-3		05:23	DE	ADCP		° .	° .			-			☐	
54	SLIP-3		:		NET		° .	° .			-			☐	
55	SLIP-3		:		Camera		° .	° .			-			☐	
56	SLIP-3		:		MUOAS		° .	° .			-			☐	
57	SLIP-3B	13	08:30	BE	CTD	-	62° 28.080	174° 4.980	69		-	0	SV	☒	P.O.1 Sea # 12100
			08:35	BO			62° 28.064	174° 4.962		64	-			☐	
			08:37	EN			62° 28.070	174° 4.970			-			☐	
58	SLIP-5	13	10:24	BE	ROS	US	62° 33.630	173° 32.950	67	62	270 - 281	12		☒	P.O. Sea # 13400
			10:28	BO			62° 33.644	173° 32.982			-			☐	
			10:36	EN			62° 33.652	173° 32.965			-			☐	
59	SLIP-5		:		ADCP		° .	° .			-			☐	
60	SLIP-5		:		NET		° .	° .			-			☐	

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Jelly on rosette.

Jelly on rosette

Jelly on rosette

Jelly on Rose He

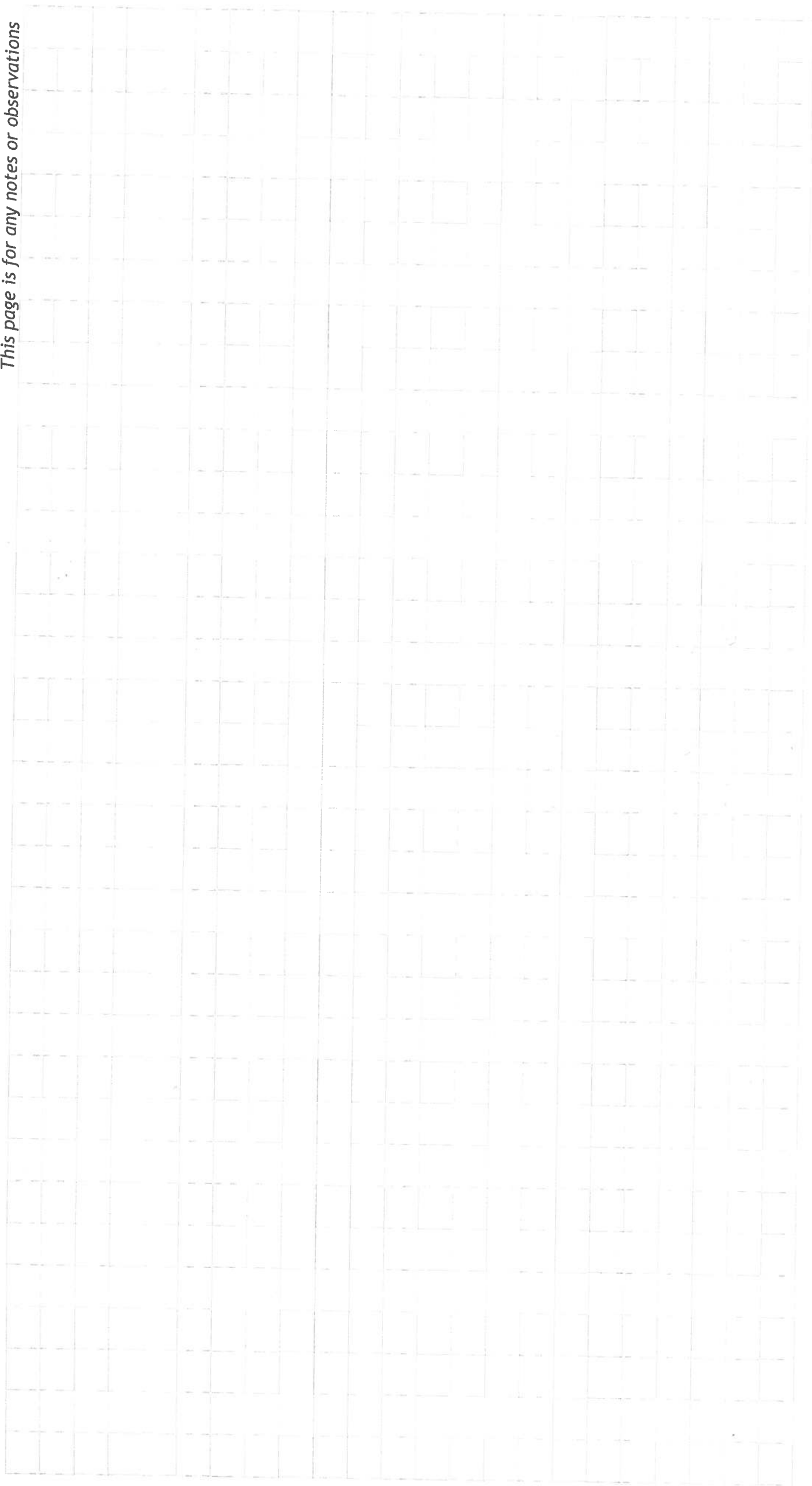
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Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Information	Bottom Depth	Max Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/Fl Cleaned	Comments
							Latitude	Longitude						
61	SLIP-5	13	:		Camera		°	°					☐	
62	SLIP-5		:		Muox5		°	°					☐	
63	SLIP-5B	13	13:23	BE	CTD	-	62°47.244	173°30.014			0		☒	P20.1 Sec # 9100
			13:27	BO			62°47.260	173°29.937	64				☐	
			13:29	EN			62°47.274	173°29.959					☐	
64	SLIP-4	13	15:03	BE	RDS	US	63°1.782	173°27.523	67	282 - 305	24		☒	P20.0 Sec # 11000
			15:06	BO			63°1.788	173°27.503					☐	
			15:19	EN			63°1.793	173°27.450					☐	
65	SLIP-4		14:56	BE	ADCP		63°1.789	173°27.547					☐	
66			:		NET		°	°					☐	
67			:		Camera		°	°					☐	
68			:		Muox5		°	°					☒	P20.0 Sec # 9950
69	SLIP-4B	13	18:12	BE	CTD	-	63°16.760	173°4.805	66		0		☐	
			18:16	BO			63°16.750	173°4.800					☐	
			18:19	EN			63°16.753	173°4.830					☐	
70	SLIP-4c	13	20:37	BE	CTD	-	63°36.240	172°35.360	48		0		☒	P20.1 Sec # 9200
			20:41	BO			63°36.265	172°35.308					☐	
			20:43	EN			63°36.280	172°35.290					☐	
71	BCL-6A		22:56	BE	RDS	US	63°55.318	172°5.858	50	306 - 315	10		☒	P20.0 Sec # 9200

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This page is for any notes or observations



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July			2016		SWL		2016-17								
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							Latitude	Longitude							
71	BCL-6A	13	23:01	BO	ROS	US	63° 55.344	172° 55.848	50	-			☐		
	BCL-6A		23:10	EN			63° 55.366	172° 55.800		-			☐		
72	BCL-6A		23:15		Camera					-	0	SV	☒	P20.0 Scan # 14100	
73	BCL-6B	14	01:52	BE	CTD	-	64° 17.582	171° 29.605	44	-			☐		
			01:57	BO			64° 17.670	171° 29.562		-			☐		
			01:59	QN			64° 17.690	171° 29.552		-			☐		
74	BCL-6C	14	04:53	BE	ROS	US	64° 40.390	170° 38.546	44	316-320	5	SV	☒	P20.0 Scan # 8800	
			04:58	BO			° 40.411	° 38.621		-			☐		
			05:04	EN			° 40.460	° 38.640		-			☐		
75	BCL-6C		:		ROC		°	°		-			☐		
76	BCL-6C		:		NET		°	°		-			☐		
77	BCL-6C		:		Camera		°	°		-			☐		
78	BCL-6C		:		MURDO		°	°		-			☐		
79	DBO2.0a	14	07:11	BE	CTD	-	64° 40.310	170° 15.674	44	-	0	SV	☐	P20.0 Scan # 6670	
			07:15	BO			° 40.340	° 15.393	44	-			☐	ALT = 4m	
			07:17	EN			° 40.360	° 15.564		-			☐		
80	UTBS-5	14	08:21	BE	ROS	US	64° 40.266	169° 55.067		321-330	10	SV/pw	☒	(Also called) DBO2.1	
			:	BO			64° 40.273	169° 54.988	44	-			☐	P20.0 ALT = 3	
			08:45	EN			64° 40.258	169° 54.994		-			☐		

This page is for any notes or observations

← 10 min delay to wraps on drum & start

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81	UTBS-5	14	:		ADCP		° .			-			☐	
82	UTBS-5	14	:		NET		° .			-			☐	
83	UTBS-5	14	:		Camera		° .			-			☐	
84	UTBS-5	14	:		Mudxs		° .			-			☐	
85	DB02.1A	14	10:52	BE	CTD	—	64°40.540	169°28.320	(47)	—	0	SZ	☐	P=0.1 on dock Scan=11,000 AIT=2.0
			11:00	BO			64°40.570	169°28.320		413			☐	
			11:01	EN			64°40.578	169°28.330					☐	
86	UTBS-2	14	12:06	BE	ROS	US	64°40.830	169°5.932	(39)	331-335	5	SZ	☒	Scan#
	UTBS-2		12:12	BO			°40.861	°5.930		41			☐	AIT=4
	UTBS-2		12:22	EN			°40.874	°5.853					☐	
87	UTBS-2		:		ADCP		° .			-			☐	
88	UTBS-2		:		NET		° .			-			☐	
89	UTBS-2		:		Camera		° .			-			☐	
90	UTBS-2		:		Mudxs		° .			-			☐	
91	DB02.2A	14	14:29	BE	CTD	—	64°40.489	168°35.701	(32)	—	0	SZ	☒	P=0.0 Scan# 10700
			14:34	BO			°40.497	°35.680		39			☐	
			14:35	EN			°40.490	°35.669					☐	
92	UTBS-2A	14	15:39	BE	ROS	US	64°40.250	168°14.074	(31)	337-340	4	SZ	☒	P=0.0 Scan# 18900
			15:43	BO			°40.268	°14.070		34			☐	

do not use Ammonia products

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This page is for any notes or observations

← Lowend + Raised at $\sim 0.5 \text{ m/s}$

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DAILY SCIENCE LOG										Year		Vessel		Cruise ID			
Month		Station Name		Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/Fl Cleaned	Comments
92	UTBS-2A	14	15:49	EN	ROS	US	64°40.226	168°14.030					337-340	4		☐	
93	UTBS-2A		:		ADCP		°	°					-			☐	
94	UTBS-2A		:		NET		°	°					-			☐	
95	UTBS-2A		:		Camera		°	°					-			☐	
96	UTBS-2A		:		MUOS		°	°					-			☐	
97	DB02.7	14	19:11	BE	ROS	US	65°0.030	168°13.232	46			41	341-345	5		☒	P20.0 Sec. # 11500
			19:16	BO			°0.047	°13.178					-			☐	
			19:22	EN			°	°					-			☐	
98	DB02.7		:		ADCP		°	°					-			☐	
99			:		NET		°	°					-			☐	
100			:		OPTIX		°	°					-			☐	
101			:		Camera		°	°					-			☐	
102			:		MUOS		°	°					-			☐	P20.1 Sec. # 9300
103	DB02.6	14	21:43	BE	CTD	-	65°0.062	168°39.200	48			43	-	0	SV	☒	
			21:47	BO			°0.139	°39.240					-			☐	
			21:49	EN			°0.175	°39.270					-			☐	
104	UTBS-1	14	23:12	BE	ROS	US	64°59.458	169°8.268	49			44	346-365	20		☒	P20.1 Sec. # 9100
			23:18	BO			°59.466	°8.357					-			☐	
			23:27	EN			64°59.470	169°8.332					-			☐	

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

Time Code:

Public Firing Method:

Event Type:
BOT = Bottle cast (no CTD)
CTD = Standalone CTD
ROS = CTD in Rosette
SET = Fish Set

Loop = Sea Water Loop
MOR = Mooring
NET = Plankton Net Haul
DRF = Drifter

Bottle Firing Method:
US = Up / Stop (default)
UN = Up / No stop
DN = Down / No stop

Time Code:
BE = Beginning Time of Cast
BO = Bottom Time of Cast
EN = End Time of Cast

CTD Transmissometer and Fluorometer to be cleaned before each cast -- do not use Ammonia products
DE = Deployment Time
MR = Messenger Release Time
RE = Recover Mooring Time

Notes:

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DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Cruise ID 2016-17

Month			Year		Vessel		Cruise ID							
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Information	Bottom Depth	Max Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
							Latitude	Longitude						
105	UTBS-1	14	:		ADCP		°	°		-			☐	
106	UTBS-1		:		NET		°	°		-			☐	
107	UTBS-1		:		CAMERA		°	°		-			☐	
108	UTBS-1		:		MUDS		°	°		-			☐	
109	DB02.4A	15	01:25	BE	CTD	-	64° 58.481	169° 29.330	49 ⁽⁴²⁾	-	0	SV	☒	P ₂ 0.0 Sc. # 9400
	DB02.4A		01:28	BO			° 58.507	° 29.332	45	-			☐	
	DB02.4A		01:30	EN			° 58.522	° 29.327		-			☐	
110	UTBS-4	15	02:43	BE	ROS	US	64° 57.707	169° 53.156	49 ⁽⁴²⁾	366-370	5		☒	P ₂ 0.0 Sc. # 8700
	UTBS-4		02:49	BO			° 57.730	° 53.207		-			☐	
	UTBS-4		02:55	EN			64° 57.739	169° 53.200		-			☐	
111	UTBS-4		:		ADCP		°	°		-			☐	
112	UTBS-4		:		NET		°	°		-			☐	
113	UTBS-4		:		CAMERA		°	°		-			☐	
114	UTBS-4		:		MUDS		°	°		-			☐	
115	BRS-2	15	08:48	BE	ROS	US	65° 40.145	168° 23.924	53 ⁽⁴¹⁾	371-375	5	SV/OW	☒	P ₂ 0.0 Sc. # 9400
			08:54	BO			65° 40.231	168° 23.897	49	-			☐	
			09:02	EN			65° 40.331	168° 23.773		-			☐	
116	BRS-2		:		NET		°	°		-			☐	
117	BRS-3	15	09:50	BE	ROS	US	65° 40.838	168° 33.900	53 ⁽⁴¹⁾	376-385	10	SV/OW	☒	P ₂ 0.1 Sc. # 8000

CTD Transmissometer and Fluorometer to be cleaned before each cast -- do not use Ammonia product

Time Code: Bottle Firing Method:

Event Type:
BOT = Bottle cast (no CTD)
CTD = Standalone CTD
ROS = CTD in Rosette

Loop:
LOOP = Sea Water Loop
MOR = Mooring
NET = Plankton Net Haul
DRF = Drifter

Bottle Firing Method:
US = Up / Stop (default)
UN = Up / No stop
DN = Down / No stop

Time Code:
BE = Beginning Time of Cast
BO = Bottom Time of Cast
EN = End Time of Cast

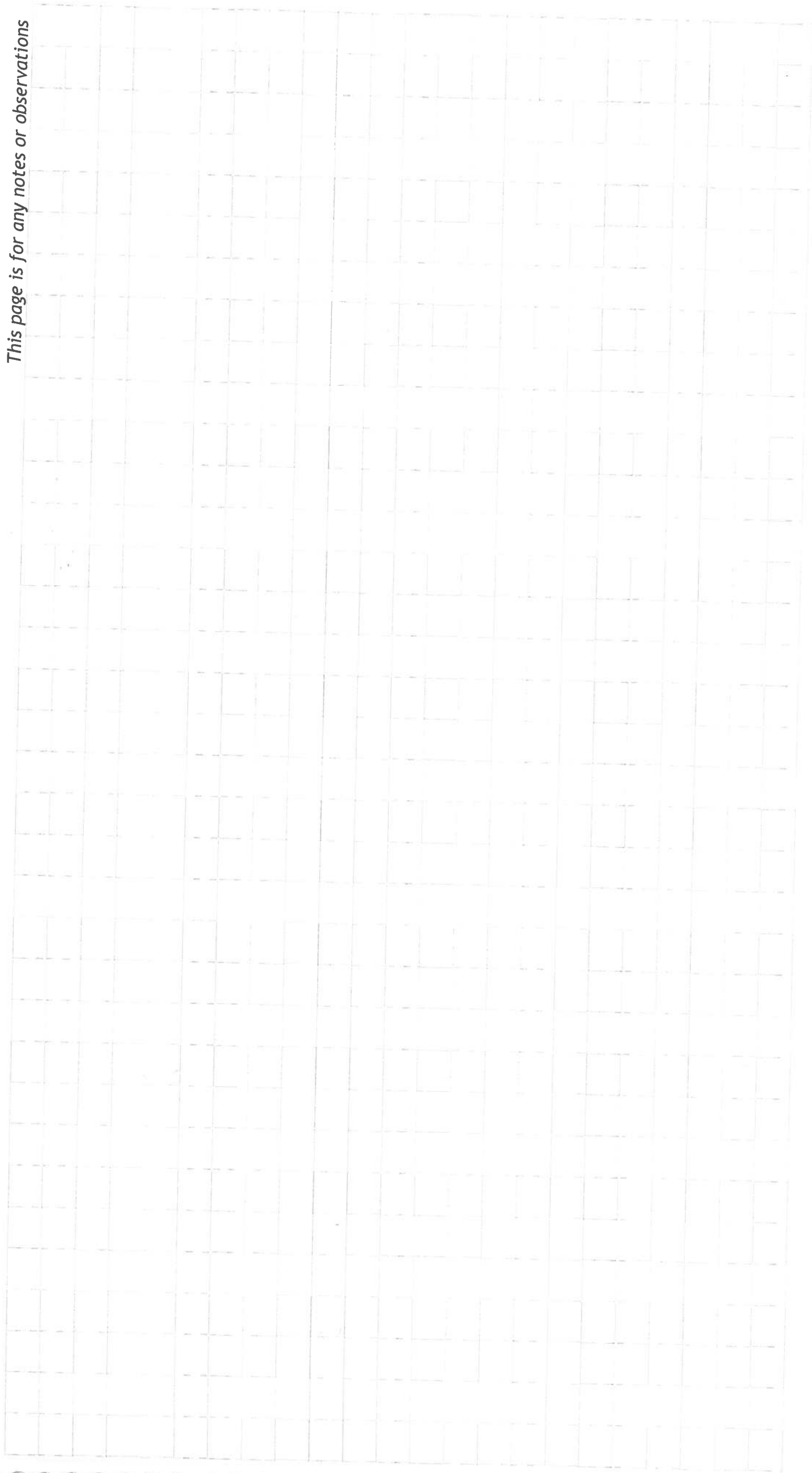
CTD Transmissometer and Fluorometer to be cleaned before each cast -- do not use Ammonia product

Notes:

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Ocean Sciences Division, Institute of Ocean Sciences

DAILY SCIENCE LOG

Cruise ID 2016-17

Vessel SWE

Year 2016

Month July

Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Information		Bottom Depth	Max Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/Fl Cleaned	Comments
							Latitude	Longitude							
117	BRS-3	15	09:56	BO	ROS	US	65° 40.850	168° 33.845	53	48	376-385			☐	
			10:03	EN			65° 40.903	168° 33.850			-			☐	
118	BRS-3		:		NET		°	°			-			☐	
119	BRS-4	15	10:50	BE	ROS	US	65° 42.000	168° 42.786	52 ⁽⁴³⁾		386-390	5		☒	P.O.1 Sea # 7500
			10:52	BO			° 42.020	° 42.760		47	-			☐	
			11:01	EN			65° 42.048	168° 42.725			-			☐	
120	BRS-4		:		NET		°	°			-			☐	
121	UTN-1	15	16:46	BE	ROS	US	66° 42.600	168° 23.833	35 ⁽²³⁾	30	391-394	4		☒	P.O.1 Sea # 9500
			16:50	BO			° .610	° .799			-			☐	
			16:56	EN			66° 42.623	168° 23.651			-			☐	
122	UTN-1		:		ADCP		°	°			-			☒	
123	UTN-1		:		NET		°	°			-			☐	
124	UTN-1		:		CAMERA		°	°			-			☐	
125	UTN-1		:		MUOX5		°	°			-			☐	
126	UTN-2	15	20:36	BE	ROS	US	67° 2.990	168° 43.628	46 ⁽³⁸⁾	41	395-404	10		☒	P.O.1 Sea # 9700
			20:40	BO			° 3.008	° 43.560			-			☐	
			20:47	EN			67° 3.030	168° 43.416			-			☐	
127	UTN-2		:		ADCP		°	°			-			☐	
128	UTN-2		:		NET		°	°			-			☐	

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

Event Type:
BOT = Bottle cast (no CTD)
CTD = Standalone CTD
ROS = CTD in Rosette
SET = Fish Set

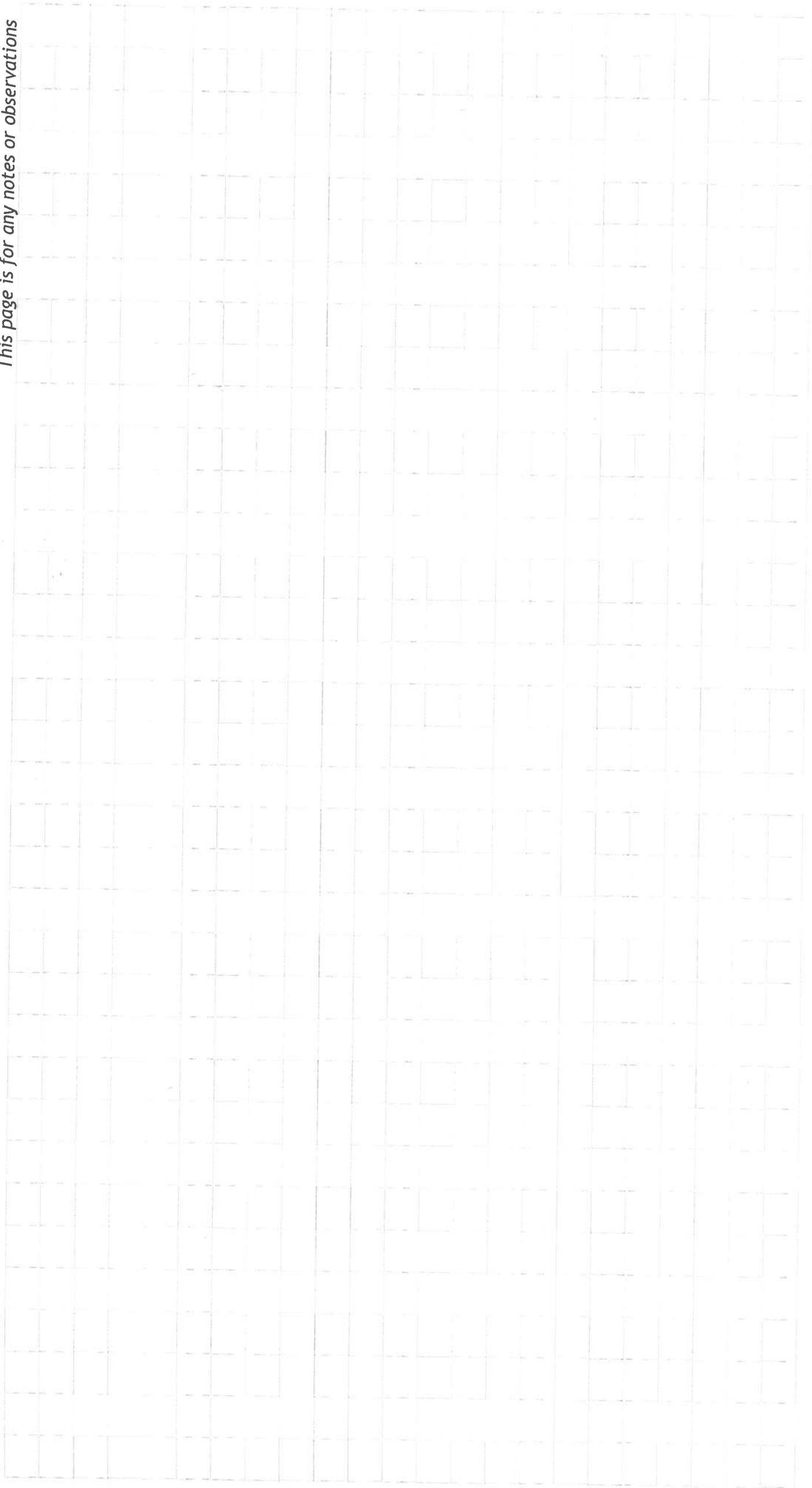
Bottle Firing Method:
US = Up / Stop (default)
UN = Up / No stop
DN = Down / No stop

Time Code:
BE = Beginning Time of Cast
BO = Bottom Time of Cast
EN = End Time of Cast

CTD Deployment Time
MR = Messenger Release Time
RE = Recover Mooring Time

12.5

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DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Month			Year		Vessel			Cruise ID							
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/Fl Cleaned	Comments
129	UTN-2	15	:		CAMERA		° .	° .	46		-			☐	
130	UTN-2	15	21:12		OPTIX		67° 03.0451	168° 43.3735	46		-			☐	
131	UTN-2	15	:		MUOX5		° .	° .			-			☐	
132	UTN-3	16	00:41	BE	ROS	US	67° 19.847	168° 57.050	50	46	405-409	5		☒	P-0.1 Sec # 12300
			00:47	DO			° 19.820	169° 56.828			-			☐	
			00:52	EN			67° 19.879	168° 56.660			-			☐	
133	UTN-3	16	:		ADCP		° .	° .			-			☐	
134	UTN-3		:		NET		° .	° .			-			☐	
135	UTN-3		:		Camera		° .	° .			-			☐	
136	UTN-3		:		MUDx5		° .	° .			-			☐	
137	UTN-4	16	03:04	BE	ROS	US	67° 29.980	168° 54.400	50 ⁽⁴³⁾	45	410-429	20		☒	P-0.1 Sec # 12300
	UTN-4		03:10	DO			67° 29.969	168° 54.256			-			☐	
	UTN-4		03:19	EN			67° 29.950	168° 53.982			-			☐	
138	UTN-4		:		ADCP		° .	° .			-			☐	
139			:		NET		° .	° .			-			☐	
140			:		CAMERA		° .	° .			-			☐	
141			:		MUOX5		° .	° .			-			☐	
142	SEC-0	16	17:09	BE	ROS	US	68° 17.980	166° 56.320	35 ⁽²³⁾	31	430-433	4		☒	P-0.0 Sec # 10800
			17:13	DO			° 18.017	° 56.250			-			☐	

Event Type:
BOT = Bottle cast (no CTD)
CTD = Standalone CTD
ROS = CTD in Rosette
SET = Fish Set

Loop:
MOR = Sea Water Loop
NET = Plankton Net Haul
DRF = Drifter

Bottle Firing Method:
US = Up / Stop (default)
UN = Up / No stop
DN = Down / No stop

Time Code:
BE = Beginning Time of Cast
BO = Bottom Time of Cast
EN = End Time of Cast

CTD Transmissometer and Fluorometer to be cleaned before each cast -- do not use Ammonia products
DE = Deployment Time
MR = Messenger Release Time
RE = Recover Mooring Time

Notes:

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Ocean Sciences Division, Institute of Ocean Sciences

DAILY SCIENCE LOG

Cruise ID 2016-17

Month				Year		Vessel			Cruise ID					
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Information	Bottom Depth	Max Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Tms/Fl Cleaned	Comments
142	SEC-8	16	17:18	EN	ROS	US	68°18.072 ° ° °	166°56.452 ° ° °	31	430-433	4		☐	
143	SEC-8		:		ADCP		° ° °			-			☐	
144			:		NET		° ° °			-			☐	
145			:		CAMERA		° ° °			-			☐	
146			:		MUD#2		° ° °			-			☒	Pr. 0.0 Sec. # 9700
147	SEC-7	16	19:11	BZ	ROS	US	68°14.706 ° ° °	43 ⁽³⁶⁾ 167°7.050 ° ° °	38	434-443	10		☐	
			19:16	Bo			68°14.756 ° ° °	167°7.154 ° ° °		-			☐	
			19:23	EN			68°14.703 ° ° °	167°7.214 ° ° °		-			☐	
148	SEC-7		:		ADCP		° ° °			-			☐	
149	SEC-7		:		NET		° ° °			-			☐	
150	SEC-7		:		CAMERA		° ° °			-			☐	
151	SEC-7		:		MUD#2		° ° °			-			☒	Pr. 0.0 Sec. # 7800
152	SEC-6	16	20:52	BE	ROS	US	68°11.170 ° ° °	48 ⁽⁴¹⁾ 167°18.550 ° ° °	44	444-448	5		☐	
153	SEC-6		:		ADCP		° ° °			-			☐	
154	SEC-6		:		NET		° ° °			-			☐	
155	SEC-6		:		OPTIX		° ° °			-			☐	
156	SEC-6		:		CAMERA		° ° °			-			☐	
157	SEC-6		:		MUD#2		° ° °			-			☐	

DAILY SCIENCE LOG

2017

2016

SWL

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

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

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BoHs - C₂H₄ 21:02 69° 11.202 167° 18.572
 End 21:02 69° 11.202 167° 18.572

Ocean Sciences Division, Institute of Ocean Sciences

DAILY SCIENCE LOG

Cruise ID 2016-17

Vessel SWL

Year 2016

Month		Year		VESSEL			CTD Transmissometer and Fluorometer to be cleaned before each cast -- do not use Ammonia products									
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Information		Bottom Depth	Max Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments	
							Latitude	Longitude								
158	SEC-5	16	22:43	BE	ROS	US	68° 7.800	167° 29.640	50 ⁴³		449-450	10		☒	P.O.1 Sec # 8700	
	SEC-5		22:48	BO			68° 7.78	167° 29.650		46	-			☐		
	SEC-5		22:55	EN			68° 7.66	167° 29.640			-			☐		
159	SEC-5		:		ADCP		°	°			-			☐		
160			:		NET		°	°			-			☐		
161			:		CAMERA		°	°			-			☐		
162			:		MV0x5		°	°			-			☐	P.O.1 Sec # 8700	
163	SEC-4	17	00:53	BE	ROS	US	68° 0.840	167° 51.966	53 ¹⁴³		459-463	5		☒		
			00:57	BO			° 0.893	° 52.033		48	-			☐		
			01:03	EN			68° 0.960	167° 52.100			-			☐		
164	SEC-4		:		ADCP		°	°			-			☐		
165	SEC-4		:		NET		°	°			-			☐		
166	SEC-4		:		CAMERA		°	°			-			☐		
167	SEC-4		:		MV0x5		°	°			-			☒	P.O.1 Sec # 8600	
168	SEC-3	17	03:58	BE	ROS	US	67° 53.975	168° 13.970	59 ¹⁵²		464-473	10		☐		
			04:03	BO			67° 53.970	168° 13.984		54	-			☐		
			04:10	EN			67° 53.930	168° 13.997			-			☐		
169	SEC-3		:		ADCP		°	°			-			☐		
170	SEC-3		:		NET		°	°			-			☐		

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

Event Type:
BOT = Bottle cast (no CTD)
CTD = Standalone CTD
ROS = CTD in Rosette
SET = Fish Set

LOOP = Sea Water Loop
MOR = Mooring
NET = Plankton Net Haul
DRF = Drifter

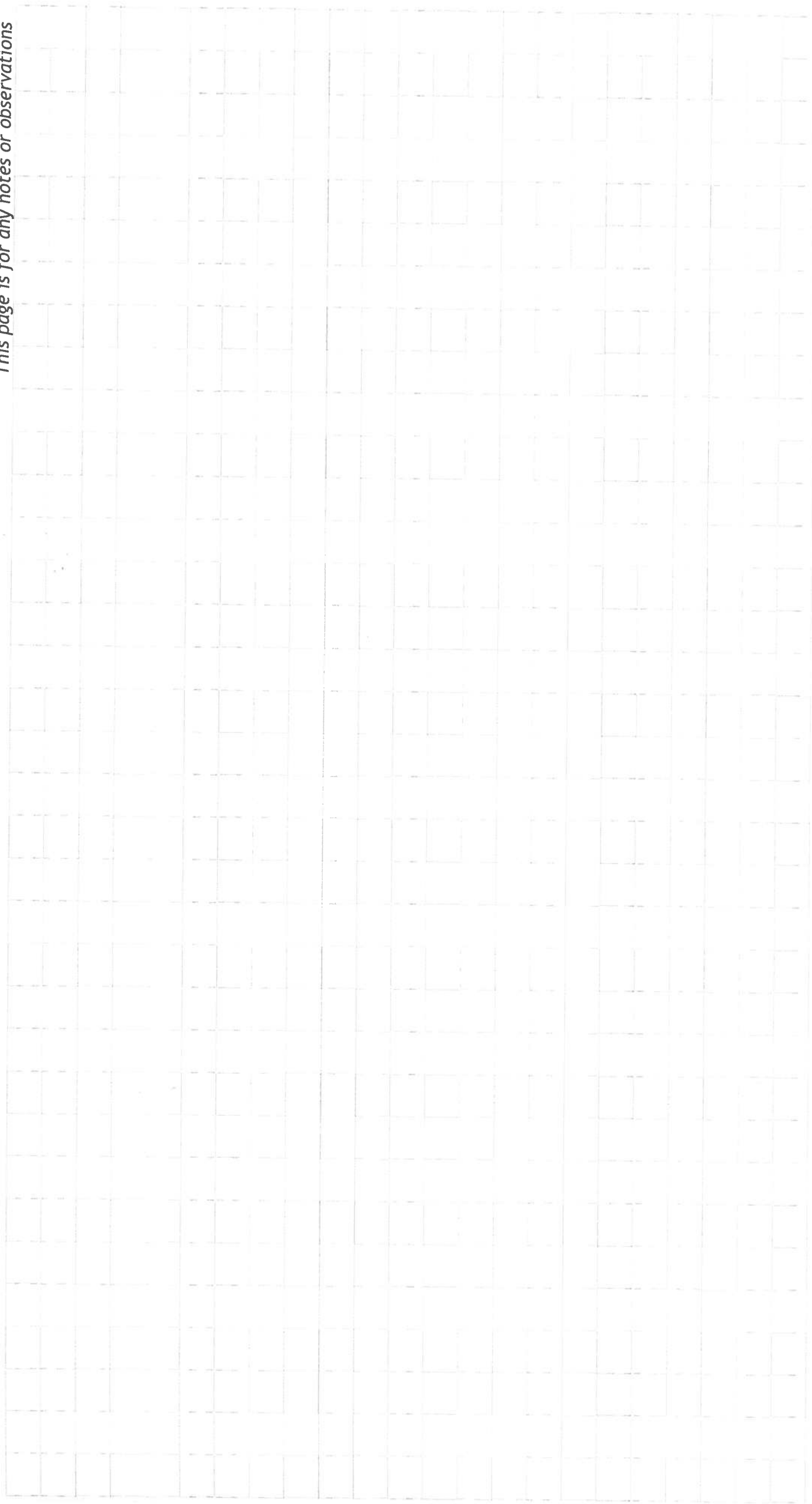
Bottle Firing Method:
US = Up / Stop (default)
UN = Up / No stop
DN = Down / No stop

Time Code:
BE = Beginning Time of Cast
BO = Bottom Time of Cast
EN = End Time of Cast

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

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Cruise ID 2016-17

Vessel *Swc*

Year 2016

Month July

DAILY SCIENCE LOG										Cruise ID 2016		Vessel SWC		Year 2016		Month JULY	
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Information	Bottom Depth	Max Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/Fl Cleaned	Comments			
171	SEC-3	17	:		CAMERA		° .	° .		-			☐				
172	SEC-3	17	:		MUONS		° .	° .		-			☐	SEC-# 11900			
173	UTW-6	17	06:56	B32	ROS	US	67° 44.316	168° 26.077	51 ⁽⁴⁴⁾	474-483	10		☒				
			07:00	B0	ROS		67° 44.342	168° 26.083	46	-			☐				
			07:09	EN	ROS		67° 44.344	168° 26.080		-			☐				
174			:		ADCP		° .	° .		-			☐				
175			:		NET		° .	° .		-			☐				
176			:		CAMERA		° .	° .		-			☐				
177			:		MUONS		° .	° .	51 ⁽⁴⁴⁾	484-489	6		☒	SEC-# 9600			
178	SEC-2	17	08:40	BE	ROS	US	67° 47.008	168° 36.096	46	-			☐				
			08:43	B0			67° 47.015	168° 36.125		-			☐				
			08:50	EN			67° 47.017	168° 36.131		-			☐				
179	SEC-2		:		ADCP		° .	° .		-			☐				
180			:		NET		° .	° .		-			☐				
181			:		CAMERA		° .	° .		-			☐				
182			:		MUONS		° .	° .	51 ⁽⁴⁴⁾	490-499	10		☒	SEC-# 10200			
183	SEC-1	17	11:00	BE	ROS	US	67° 40.246	168° 57.679		-			☐				
			11:05	B0			67° 40.268	168° 57.660	46	-			☐				
			11:12	EN			67° 40.280	168° 57.660		-			☐				

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

Time Code: Time

CTD Transmissometer and Fluorometer to be cleaned before each use.

Bottle Firing Method:	Time Code:
US = Up / Stop (default)	BE = Beginning Time of Cast
UN = Up / No stop	BO = Bottom Time of Cast
	EN = End Time of Cast
	DE = Deployment Time
	MR = Messenger Release Time
	RE = Recover Mooring Time

Notes:

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DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Month			Year		Vessel			Cruise ID							
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
184	SEC-1	17	:		ADCP		° .	° .			-			☐	
185			:		NET		° .	° .			-			☐	
186			:		CAMERA		° .	° .			-			☐	
187			:		MUOAS		° .	° .			-			☐	
188	UTN-7	17	14:17	BE	ROS	US	68° 0.030	168° 55.856	60 ⁽⁵³⁾		500-505	6	SE	☒	
			14:23	BO			68° 0.020	168° 55.904			-			☐	P = X SCAN = X
			14:34	EN			68° 0.036	168° 55.942		55.5	-			☐	Alt = 2
189	UTN-7	17	:		ADCP		° .	° .			-			☐	
190			:		NET		° .	° .			-			☐	
191			:		Camera		° .	° .			-			☐	
192			:		Mult?		° .	° .			-			☐	
193	DB04.1	18	16:11	BE	ROS	US	70° 58.434	161° 53.616	46 ⁽³⁹⁾	41.5	506-515	10		☒	1290 SCAN # 10000
			16:15	BO			70° 58.457	161° 53.478			-			☐	
			16:23	GN			70° 58.490	161° 53.236			-			☐	
194	DB04.1	18	16:05	BE	ADCP		° .	° .			-			☐	
195	DB04.1		:		NET		° .	° .			-			☐	
196	DB04.1		:		CAMERA		° .	° .			-			☐	
197	DB04.1		:		MUOAS		° .	° .			-			☐	
			:				° .	° .			-			☐	

Event Type:
BOT = Bottle cast (no CTD)
CTD = Standalone CTD
ROS = CTD in Rosette
SET = Fish Set

LOOP = Sea Water Loop
MOR = Mooring
NET = Plankton Net Haul
DRF = Drifter

Bottle Firing Method:
US = Up / Stop (default)
UN = Up / No stop
DN = Down / No stop

Time Code:
BE = Beginning Time of Cast
BO = Bottom Time of Cast
EN = End Time of Cast

CTD Transmissometer and Fluorometer to be cleaned before each cast -- do not use Ammonia products
DE = Deployment Time
MR = Messenger Release Time
RE = Recover Mooring Time

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DAILY SCIENCE LOG

Cruise ID 2016-17

Vessel Sval

Year 2016

Month		July		Year		Positional Information			Bottom Depth	Max Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/Fl Cleaned	Comments
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Latitude	Longitude							
198	DB04.1A	18	18:13	BE	CTD	-	71° 2' 358	162° 4' 993	47 ⁽⁴⁰⁾	42	-	0	SV	☒	P-0.0 Sc-# 13000
			18:18	BO			71° 2' 360	162° 4' 980			-			☐	
			18:20	EN			71° 2' 363	162° 4' 993			-			☐	
199	DB04.2	18	19:44	BE	ROS	US	71° 6' 070	162° 15' 806	48 ⁽⁴¹⁾	43	516-531	16		☒	P-0.0 Sc-#
			19:49	BO			°	°			-			☐	
			19:56	EN			71° 6' 040	162° 15' 550			-			☐	
200	DB04.2		:		NET		°	°			-			☐	
201	DB04.2		:		MUOS		°	°			-			☐	
202	DB04.2		:		CAMERA		°	°			-			☐	
203	DB04.2A	18	22:49	BE	CTD		71° 10' 057	162° 27' 041	47 ⁽⁴⁰⁾	42	-			☒	Sc-# 5300
			28:53	BO			71° 10' 052	162° 26' 974			-			☐	
			:	EN			°	°			-			☐	
204	DB04.3	19	15:05	BE	ROS	US	71° 14' 077	162° 38' 563	47 ⁽⁴¹⁾	42	532-541	10		☒	Sc-# 11000
			15:10	BO			71° 14' 080	162° 38' 510			-			☐	
			15:17	EN			71° 14' 076	162° 38' 452			-			☐	
205	DB04.3		:		NET		°	°			-			☐	
206	DB04.3		:		MUOS		°	°			-			☐	
207	DB04.3		:		CAMERA		°	°			-			☐	
			:				°	°			-			☐	

18.5

This page is for any notes or observations

1/2 2/3 1cc
1cc from primary vs 1 cc from

19.5

This page is for any notes or observations

(DBO 4/3A)

← After ~~can~~ event 208, changed angle of Oxy sensor + pump slightly so ~~that~~ water ptrn is more upward. sz $\rightarrow$ $\rightarrow$ PUMP $\rightarrow$

Down + Up oxy overlay is poor -

could be flow, could be the sensor.

10m offset and hysteresis even in 50m water.

TC $\rightarrow$ oxy $\rightarrow$ pumps to TC $\rightarrow$ oxy $\rightarrow$ PUMP $\rightarrow$