

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

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Month <u>SEPT</u>			Year <u>2018</u>			Vessel <u>TULLY</u>			Cruise ID <u>2018-034</u>						
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
51	LC07	4	22:15	BE	ROS	—	48°32.92	126°00.50	127		—	Ø	MR	☒ ☐	
			22:18	BO			48°32.92	126°00.49		119	-			☐ ☐	
			22:20	EN			48°32.92	126°00.50			-			☐ ☐	
52	LC06	4	23:09	BE	ROS	US	48°36.42	125°54.05	92		167-173	7	MR	☒ ☐	
			23:12	BO			48°36.42	125°54.05		83	-			☐ ☐	
			23:19	EN			48°36.40	125°54.06			-			☐ ☐	
53	LC06	4	23:24	BE	NET	—	48°36.41	125°54.04	92		-		MG	☐ ☐	Bowad
			23:27	BO			48°36.42	125°54.03		85	-			☐ ☐	
			23:29	EN			48°36.42	125°54.03			-			☐ ☐	
54	LC05	5	00:16	BE	ROS	—	48°39.92	125°47.42	64		—	Ø	MR	☒ ☐	
			00:17	BO			48°39.92	125°47.43		56	-			☐ ☐	
			00:18	EN			48°39.92	125°47.42			-			☐ ☐	
55	LC05	5	00:24	BE	NET	—	48°39.92	125°47.40	64		-		IP/UD	☐ ☐	
			00:27	BO			48°39.94	125°47.40		59	-			☐ ☐	
			:	EN			48°39.94	125°47.41			-			☐ ☐	
56	LC04	5	01:16	BE	ROS	US	48°43.42	125°40.98	165		174-185	12	MR	☒ ☐	
			01:19	BO			48°43.43	125°41.05		159	-			☐ ☐	
			01:32	EN			48°43.49	125°41.19			-			☐ ☐	
			:				°	°			-			☐ ☐	

Event Type:

BOT = Bottle cast (no CTD)
 CTD = Standalone CTD
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 SET = Fish Set

LOOP = Sea Water Loop

MOR = Mooring
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 DRF = Drifter

Bottle Firing Method:

US = Up / Stop (default)
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Notes:

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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Produced by the Water Properties Group, IOS

WaterProperties.ca
 Version: 6 December 2016

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Ocean Sciences Division, Institute of Ocean Sciences

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Month <u>SEPTEMBER</u>			Year <u>2018</u>			Vessel <u>J P TULLY</u>			Cruise ID <u>2018-034</u>						
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
57	LC04	5	01:43	BE	NET	✓	48°43.38	125°40.83	165		-		MC	☐ ☐	BONGO
			01:48	Bo			48°43.45	125°40.91		160	-			☐ ☐	
			01:50	EN			48°43.46	125°40.92			-			☐ ☐	
58	LC04	5	02:07	BE	NET	—	48°43.39	125°41.00	165		-		MC	☐ ☐	RING NET
			02:12	Bo			48°43.48	125°41.15		160	-			☐ ☐	
			02:15	EN			48°43.51	125°41.20			-			☐ ☐	
59	LC03	5	03:05	BE	ROS	—	48°46.92	125°34.23	135		—	Ø	MR	☒ ☐	
			03:08	Bo			48°46.93	125°34.29		128	-			☐ ☐	
			03:10	EN			48°46.92	125°34.28			-			☐ ☐	
60	LC02	5	03:39	BE	ROS	US	48°48.69	125°31.05	110		186-193	8	MR	☒ ☐	
			03:42	Bo			48°48.70	125°31.07		102	-			☐ ☐	
			03:50	EN			48°48.70	125°31.08			-			☐ ☐	
61	LC01	5	04:15	BE	ROS	US	48°50.44	125°27.77	96		194-200	7	MR	☒ ☐	RECORD BA PUMP TO SHOW DO
			04:18	Bo			48°50.47	125°27.79		88	-			☐ ☐	TRACE!
			04:25	EN			48°50.53	125°27.86			-			☐ ☐	FROM LAOS HEAD, WRONG DEPTH 100?
62	Loop 62	5	04:44	BE	LOOP		48°51.73	125°30.75	118		5062	1	MR	☐ ☐	SAC 21 CHL 2
63	LD02	5	06:11	BE	ROS	US	48°58.29	125°47.19	44		201-205	5	MR	☒ ☐	
			06:12	Bo			48°58.30	125°47.20		35	-			☐ ☐	
			06:17	EN			48°58.33	125°47.21			-			☐ ☐	

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EVENTS 42 TO ⁵⁹~~41~~ HAVE AN EXTRA SPACE BEFORE .HEX

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Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
64	L002	5	06:24	BE	NET	-	48° 58.37	125° 47.23	47		-		MG	☐ ☐	BOWGO
			06:25	BO			48° 58.37	125° 47.24		37	-			☐ ☐	
			06:26	EN			48° 58.38	125° 47.24			-			☐ ☐	
65	L004	5	07:26	BE	ROS	V.S	48° 53.13	125° 57.05	61		206 - 210	5	H.M +	☒ ☐	CALLED 0066
			07:27	BO			48° 53.13	125° 57.06			-			☐ ☐	
			07:32	EN			48° 53.12	125° 57.11			-			☐ ☐	
66	L004	5	07:37	BE	NET	-	48° 53.10	125° 57.15	62		-			☐ ☐	
			07:39	BO			48° 53.10	125° 57.17		55	-			☐ ☐	
			07:40	EN			48° 53.09	125° 57.17			-			☐ ☐	
67	Loop 5067	5	09:58	BE	LOOP		49° 07.68	126° 18.58			5062 -			☐ ☐	Loop 5067
68	LG01	5	11:50	BE	ROS		49° 20.48	126° 34.94	53		211 - 215	5	H.M +	☐ ☒	
			11:51	BO			49° 20.48	126° 34.94			-			☐ ☐	
			11:57	EN			49° 20.51	126° 34.97			-			☐ ☐	
69	LG02	5	12:37	BE	ROS		49° 18.75	126° 38.07	98		216 - 224	9	H.M +	☐ ☒	
			12:39	BO			49° 18.75	126° 38.09		89	-			☐ ☐	
			12:47	EN			49° 18.74	126° 38.20			-			☐ ☐	
70	LG02	5	12:55	BE	NET		49° 18.69	126° 38.16	99	90	-			☐ ☐	
			12:57	BO			49° 18.71	126° 38.13			-			☐ ☐	
			12:59	EN			49° 18.71	126° 38.10			-			☐ ☐	

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Month			Year		Vessel		Cruise ID									
SEPTEMBER			2018		TULLY		2018-34									
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Latitude	Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments	
71	LG02	5	13:12	BE	Net	/	49° 18.77	126° 37.94	97		-			☐	☐	Ring net 64m
			13:15	BO			49° 18.77	126° 32.85			-			☐	☐	
			13:16	EN			49° 18.77	126° 32.88			-			☐	☐	
72	LG03	5	13:58	BE	ROS	/	49° 15.02	126° 43.69	123		/	-	Hmt	☐	☒	CTD ONLY
			14:00	BO			49° 15.03	126° 43.71		115	-			☐	☐	
			14:03	EN			49° 15.05	126° 43.73			-			☐	☐	
73	LG04	5	14:46	BE	ROS	U.S.	49° 11.31	126° 49.32	143		225-233	9	Hmt	☐	☒	
			14:48	BO			49° 11.31	126° 49.36			-			☐	☐	
			14:59	EN			49° 11.29	126° 49.40			-			☐	☐	
74	LG04	5	15:04	BE	NET	/	49° 11.30	126° 49.39	145		-		AT	☐	☐	
			15:08	BO			49° 11.30	126° 49.40		135	-			☐	☐	
			15:11	EN			49° 11.30	126° 49.41			-			☐	☐	
75	LG05	5	15:52	BE	ROS	/	49° 07.39	126° 55.29	274		-		Hmt	☐	☐	CTD ONLY
			15:57	BO			49° 07.40	126° 55.29		267	-			☐	☐	
			16:01	EN			49° 07.39	126° 55.28			-			☐	☐	
76	LG06	5	16:43	BE	ROS	US	49° 03.48	127° 01.20	955		234-251	18	Hmt	☒	☐	
			16:59	BO			49° 03.49	127° 01.25		976	-			☐	☐	
			17:31	EN			49° 03.49	127° 01.22			-			☐	☐	
			:				.	.			-			☐	☐	

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Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
77	LG07	5	18:13	BE	ROS	/	48° 59. 41	127° 07. 20	1751		-	-	HM +	☒ ☐	CTD ONLY
			18:43	BO			48° 59. 43	127° 07. 15		1760	-		MR	☐ ☐	DO SPIKY AGAIN ↑
			19:10	EN			48° 59. 46	127° 07. 10			-			☐ ☐	→
78	LG07	5	19:14	BE	NET		48° 59. 47	127° 07. 09	1751		-			☐ ☐	BONGO
			19:25	BO			48° 59. 47	127° 07. 14		250	-			☐ ☐	
			19:29	EN			48° 59. 48	127° 07. 18			-			☐ ☐	
79	LG08	5	20:14	BE	ROS	-	48° 55. 28	127° 13. 32	2058		-	Ø	MR	☒ ☐	GREASING AFFECTED THE FLUO
			20:49	BO			48° 55. 31	127° 13. 38		2005	-			☐ ☐	SPIKY AGAIN ↑
			21:21	EN			48° 55. 33	127° 13. 30			-			☐ ☐	
80	LG09	5	22:10	BE	NET		48° 51. 22	127° 19. 37	2048		-			☐ ☐	BONGO
			22:19	BO			48° 51. 25	127° 19. 40		250	-			☐ ☐	
			22:23	EN			48° 51. 28	127° 19. 40			-			☐ ☐	
81	LG09	5	22:31	BE	NET		48° 51. 30	127° 19. 37	2046		-			☐ ☐	ring net
			22:40	BO			48° 51. 34	127° 19. 41		250	-			☐ ☐	
			22:45	EN			48° 51. 35	127° 19. 43			-			☐ ☐	
82	LG09	5	22:50	BE	ROS	US	48° 51. 34	127° 19. 39	2044		252-261	10	MR	☒ ☐	
			23:25	BO			48° 51. 39	127° 19. 31		2005	-			☐ ☐	
			00:06	EN			48° 51. 41	127° 19. 40			-			☐ ☐	
			:				°	°			-			☐ ☐	

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AFTER CAST 77: RE-GREASED DO + FLUO CABLES

DAILY SCIENCE LOG

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Month <u>SEPTEMBER</u>			Year <u>2018</u>			Vessel <u>TULLY</u>			Cruise ID <u>2018-34</u>						
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
83	LG-09	6	00:38	BE	NET	/	48°51.23	127°19.39	2050		-			☐ ☐	MPS
			01:52	BO			48°51.38	127°19.57		2000	-			☐ ☐	
			02:29	EN			48°51.50	127°19.74			-			☐ ☐	
84	Loop 84	6	03:20	BE	Loop	BE	48°55.89	127°24.25	2079	4.5	5084-	1		☐ ☐	2x CHL 1x SAL
85	Loop 85	6	07:04	BE	Loop	BE	49°27.11	127°55.68	242		5085-	1		☐ ☐	2x CHL 1x SAL
86	LBP8	6	10:09	BE	NET	/	49°48.64	128°16.77	2064		-		AT	☐ ☐	MPS
			11:36	BO			49°48.60	128°16.78		2000	-			☐ ☐	(NO NET 3,4,5)
			12:12	EN			49°48.61	128°16.82			-			☐ ☐	
87	LBP8	6	12:44	BE	NET	/	49°48.59	128°16.80	2064		-		AT	☐ ☐	RING NET
			12:52	BO			49°48.61	128°16.77		250	-			☐ ☐	
			12:57	EN			49°48.62	128°16.77			-			☐ ☐	
88	LBP8	6	13:08	BE	NET	/	49°48.62	128°16.76	2064		-		AT	☐ ☐	DEEP BONGO
			13:46	BO			49°48.59	128°16.78		1200	-			☐ ☐	(REPLACE NET 3,4,5)
			14:06	EN			49°48.59	128°16.79			-			☐ ☐	
89	LBP8	6	14:17	BE	NET	/	49°48.59	128°16.79	2064		-		AT	☐ ☐	BONGO
			14:22	BO			49°48.59	128°16.79		250	-			☐ ☐	
			14:29	EN			49°48.58	128°16.80			-			☐ ☐	
			:				°	°			-			☐ ☐	
			:				°	°			-			☐ ☐	

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0250 UTC, 6 SEPT: ~~PLAYING WITH~~ SOUNDERS. + ADCP
0439 UTC 6 Sept: working on V
Stopped working on Sounders + ADCP

changed ping intervals & ADCP profiles to
stop interference.

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90	LBP08	6	14:40	BE	ROS	U.S	49° 48. 59	128° 16 . 78	2065		262- 269	7	HM+	☒	FL = 2069
			15:14	BO			49° 48. 59	128° 16 . 79		2005	-			☐	T = 16.1
			15:57	EN			49° 48. 60	128° 16 . 78			-			☐	
91	LBP 7	6	16:38	BE	ROS	U.S	49° 52. 37	128° 11 . 20	2179		269- 289	21	HM+	☒	
			17:13	BO			49° 52. 39	128° 11 . 21		2005	-			☐	
			18:04	EN			49° 52. 38	128° 11 . 22			-			☐	
92	LBP 7	6	18:10	BE	NET	/	49° 52. 38	128° 11. 22	2176		-			☐	
			18:18	BO			49° 52. 39	128° 11. 23		250	-			☐	
			18:23	BN			49° 52. 40	128° 11. 23			-			☐	
93	LBP6	6	19:09	BE	ROS	/	49° 56. 19	128° 05. 55	888?		-	Ø	ML	☒	ARCHIVE FROM DECK
			19:26	BO			49° 56. 16	128° 05. 45	890	903	-			☐	NO DO SPIKES
			19:41	EN			49° 56. 18	128° 05. 48			-			☐	
94	LBP5	6	20:25	BE	ROS	U.S	49° 59. 91	127° 59. 93	1274		290- 308	19	ML	☒	FEW SPIKES IN 2 nd SAC 1000+
			20:48	BO			49° 59. 96	127° 59. 90		1278	-			☐	
			21:28	EN			49° 59. 96	127° 59. 92			-			☐	
95	LBP5	6	21:36	BE	NET	/	49° 59. 97	127° 59. 88	1271		-			☐	BONGO
			21:44	BO			49° 59. 96	127° 59. 80		250	-			☐	
			21:49	EN			49° 59. 97	127° 59. 78			-			☐	
			:				°	°			-			☐	

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96	LBP4	6	22:08	BE	ROS	—	50°01.39	127°58.12	1020		—	Ø	MR	☐ ☐	
			22:27	BO			50°01.42	127°58.05		1058	-			☐ ☐	
			22:45	EN			50°01.49	127°57.97			-			☐ ☐	
97	LBP3	6	23:10	BE	ROS	US	50°03.09	127°55.25	170		309-320	12	MR	☒ ☐	STOPPED 39' ↓ 110'
			23:17	BO			50°03.00	127°55.15	181	179	-			☐ ☐	
			23:28	EN			50°03.10	127°55.07			-			☐ ☐	
98	LBP3	6	23:39	BE	NET	/	50°03.20	127°55.20	163		-		MG	☐ ☐	BOWDO
			23:45	BO			50°03.20	127°55.13		158	-			☐ ☐	
			23:47	EN			50°03.24	127°55.09			-			☐ ☐	
99	LBP3	7	00:03	BE	NET	/	50°03.10	127°55.49	198		-		MG	☐ ☐	RING
			00:10	BO			50°03.11	127°55.51		195	-			☐ ☐	
			00:13	EN			50°03.12	127°55.53			-			☐ ☐	
100	LBP2	7	00:32	BE	NET	—	50°04.01	127°54.19	96		-		JD	☐ ☐	
			00:35	BO			50°03.93	127°54.12		90	-			☐ ☐	
			00:37	EN			50°03.87	127°54.07			-			☐ ☐	
101	LBP2	7	00:50	BE	ROS	—	50°04.01	127°54.16	96		—	Ø	MR	☐ ☐	
			00:52	BO			50°04.00	127°54.14		89	-			☐ ☐	
			00:54	EN			50°03.99	127°54.12			-			☐ ☐	
			:				°	°			-			☐ ☐	

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Month <u>SEPTEMBER</u>			Year <u>2018</u>			Vessel <u>TULLY</u>			Cruise ID <u>2018-034</u>						
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
102	LBP1	7	01:09	BE	ROS	—	50°04.81	127°52.87	50		—	Ø	MR	☒ ☐	
			01:11	BO			50°04.80	127°52.87	51?	33	-			☐ ☐	
			01:11	EN			50°04.80	127°52.86			-			☐ ☐	
103	LOOP 103	7	02:43	BE	LOOP	✓	50°14.75	128°08.15	608	4.5	5103-		MR	☐ ☐	SALXI CHX1 → B ONLY
104	CPE2	7	06:05	BE	ROS	—	50°43.05	128°39.78	126		—	Ø	MR	☒ ☐	
			06:07	BO			50°43.04	128°39.74		119	-			☐ ☐	
			06:10	EN			50°43.03	128°39.74			-			☐ ☐	
105	CPE2	7	06:16	BE	NET	—	50°43.02	128°39.79	127		-		MR	☐ ☐	
			06:21	BO			50°42.99	128°39.79		120	-			☐ ☐	
			06:23	EN			50°42.97	128°39.78			-			☐ ☐	
106	LOOP 106	7	07:05	BE	LOOP		50°41.75	128°47.43	163	4.5	5106-		AT	☐ ☐	1501, 2, chl
107	LQ03	7	08:19	BE	ROS		50°39.67	129°01.94	1241		—	✓	HM+	☐ ☒	CTD ONLY
			08:43	BO			50°39.36	129°02.03		1410	-			☐ ☐	
			09:07	EN			50°39.18	129°02.28			-			☐ ☐	
108	LQ03	7	09:23	BE	NET		50°39.60	129°01.97	1489		-	—	AT+	☐ ☐	BONGO
			09:31	BO			50°39.54	129°01.86		250	-			☐ ☐	
			09:36	EN			50°39.49	129°01.77			-			☐ ☐	
			:				°	°			-			☐ ☐	
			:				°	°			-			☐ ☐	

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Month SEPTEMBER				Year 2018		Vessel TULLY				Cruise ID 2018-34					
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
109	J122	7	11:01	BG	ROS	✓	50° 39.75	129° 17.53	1509		-	-	H.M. +	☐ ☒	ETA ONLY
			11:29	BO			50° 39.53	129° 17.91		1522	-			☐ ☐	
			11:54	EN			50° 39.40	129° 18.18			-			☐ ☐	
110	J122	7	12:06	BG	NET	✓	50° 39.67	129° 17.61	1509		-	-	AT +	☐ ☐	BONGO
			12:15	BO			50° 39.61	129° 17.62		250	-			☐ ☐	
			12:20	EN			50° 39.55	129° 17.65			-			☐ ☐	
111	CS00	7	15:13	BG	NET	✓	50° 27.76	129° 55.06	2166		-	-		☐ ☐	
			15:21	BO			50° 27.68	129° 55.04		250	-		AT +	☐ ☐	250 BONGO
			15:25	EN			50° 27.67	129° 55.01			-			☐ ☐	
112	CS00	7	15:34	BG	NET	✓	50° 27.67	129° 55.06	2166		-	-	AT +	☐ ☐	1200 BONGO
			16:13	BO			50° 27.62	129° 55.04		1200	-			☐ ☐	
			16:31	EN			50° 27.63	129° 55.04			-			☐ ☐	
113	CS00	7	16:39	BG	ROS		50° 27.68	129° 55.07	2169		321-341	21	H.M. +	☐ ☒	FL = 3
			17:13	BO			50° 27.67	129° 55.07		2005	-			☐ ☐	T = 15.9
			18:04	EN			50° 27.69	129° 55.07			-			☐ ☐	Re-greased DO cable
114	CS01	7	19:17	BG	ROS	✓	50° 34.93	129° 41.51	2100		-	Ø	M.K.	☒ ☐	
			19:52	BO			50° 34.93	129° 41.49		2005	-	(1)		☐ ☐	Closed 21 just fast
			20:24	EN			50° 34.93	129° 41.50			-			☐ ☐	DO SPICES 300 ↑
			:				.	.			-			☐ ☐	

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Month <u>SEPTEMBER</u>				Year <u>2018</u>		Vessel <u>TULLY</u>				Cruise ID <u>2018.034</u>					
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
115	CS01	7	20:33	BE	NET		50°34.91	129°41.47	2101		-		MG	☐ ☐	
			20:44	BO			50°34.98	129°41.49		250	-			☐ ☐	
			20:48	EN			50°34.86	129°41.48			-			☐ ☐	
116	CS02	7	22:00	BE	ROS	US	50°41.29	129°28.01	1894		342 - 362	21	MR	☒ ☐	DO SPIKES 450 ↑
			22:34	BO			50°41.29	129°28.00		1909	-			☐ ☐	
			23:24	EN			50°41.27	129°27.96			-			☐ ☐	
117	CS02	7	23:32	BE	net		50°41.24	129°27.96	1894		-		MR	☐ ☐	
			23:42	BO			50°41.16	129°27.85		250	-			☐ ☐	
			23:46	EN			50°41.08	129°27.88			-			☐ ☐	
118	CS02	7	23:57	BE	NET		50°41.35	129°27.91	1892		-			☐ ☐	
		8	00:03	BO			50°41.20	129°27.91		250	-			☐ ☐	
			00:09	EN			50°41.08	129°27.89			-			☐ ☐	
119	CS03	8	01:01	BE	ROS	-	50°45.59	129°19.87	230		-	0	MR	☒ ☐	
			01:06	BO			50°45.52	129°19.86		229	-			☐ ☐	
			01:10	EN			50°45.57	129°19.84			-			☐ ☐	
120	CS03	8	01:17	BE	NET		50°45.55	129°19.84	235		-			☐ ☐	BONGO
			01:26	BO			50°45.47	129°19.84		228	-			☐ ☐	
			01:30	EN			50°45.37	129°19.87			-			☐ ☐	
			:				.	.			-			☐ ☐	

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Month <u>SEPTEMBER</u>				Year <u>2018</u>		Vessel <u>TULLY</u>				Cruise ID <u>2018-034</u>					
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
121	CS04	8	02:13	BE	ROS	US	50°49.27	129°13.05	94		363-369	7	MR	☒	
			02:15	BO			50°49.28	129°13.04			-			☐	
			02:22	EN			50°49.34	129°12.94			-			☐	
122	CS04	8	02:27	BE	NET	-	50°49.29	129°12.90	98		-			☐	Bongo
			02:30	BO			50°49.26	129°12.88		90	-			☐	
			02:32	EN			50°49.27	129°12.88			-			☐	
123	CS3B	8	04:09	BE	ROS	-	51°00.03	129°26.99	220		-	Ø	MR	☒	STOP BG ↓ WIRE 20
			04:15	BO			51°00.00	129°26.95		213	-			☐	
			04:18	EN			50°59.99	129°26.89			-			☐	
124	CS3B	8	04:25	BE	NET		50°59.99	129°26.83	217		-			☐	Bongo
			04:33	BO			50°59.77	129°26.81		212	-			☐	
			04:36	EN			50°59.75	129°26.76			-			☐	
125	SS2	8	06:32	BE	ROS	-	51°13.03	129°43.15	590		-	Ø	MR/HM	☒	CLOSED 20 TO TEST
			06:46	BO			51°12.91	129°43.16	601	603	-	(1)		☐	NO SAMPLE
			06:56	EN			51°12.87	129°43.05			-			☐	
126	SS2	8	07:06	BE			51°12.70	129°42.89	552		-	-	AT+	☐	BONGO
			07:14	BO			51°12.72	129°42.80		250	-			☐	
			07:19	EN			51°12.70	129°42.76			-			☐	
			:				°	°			-			☐	

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Month <u>SEPTEMBER</u>			Year <u>2018</u>		Vessel <u>TULLY</u>		Cruise ID <u>2018-34</u>								
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Information		Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
							Latitude	Longitude							
127	SS3	8	09:02	BC	ROS	U.S	51° 15. 02	129° 21. 23	289		370 - 372	3	HM+	☐ ☒	
			09:07	BO			51° 15. 00	129° 21. 22		283	-			☐ ☐	
			09:15	EN			51° 14. 93	129° 21. 16			-			☐ ☐	
128	SS3	8	09:20	BC	NET	—	51° 14. 92	129° 21. 09	288		—	—	AT+	☐ ☐	BONGO
			09:28	BO			51° 14. 89	129° 20. 98		250	-			☐ ☐	
			09:32	EN			51° 14. 86	129° 20. 91			-			☐ ☐	
129	CS 05	8	12:19	BC	ROS	—	50° 56. 06	129° 00. 01	62		—	—	H.M.+	☐ ☒	CTD ONLY
			12:20	BO			50° 56. 05	129° 00. 13		52	-			☐ ☐	
			12:22	EN			50° 56. 03	129° 00. 18			-			☐ ☐	
130	CS 05	8	12:30	BC	NET	—	50° 56. 04	129° 00. 15	61		—		AT+	☐ ☐	BONGO
			12:32	BO			50° 56. 03	129° 00. 20		51	-			☐ ☐	
			12:33	EN			50° 56. 02	129° 00. 23			-			☐ ☐	
131	CS 1b	8	14:09	BC	ROS	—	50° 53. 05	128° 40. 07			—	—	H.M.+	☐ ☒	CTD ONLY
			14:11	BO			50° 53. 05	128° 40. 05	71		-			☐ ☐	
			14:12	EN			50° 53. 04	128° 40. 03		62	-			☐ ☐	
132	CS 1b	8	14:18	BC	NET		50° 53. 00	128° 39. 90	70		—		HM	☐ ☐	
			14:20	BO			50° 52. 99	128° 39. 86		60	-			☐ ☐	
			14:21	EN			50° 52. 98	128° 39. 83			-			☐ ☐	
			:				.	.			-			☐ ☐	

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