

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

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Month			Year			Ship			Cruise ID						
Oct			2016			FROST			2016-40						
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
27	3F-01	1722	Bc	CTD		001	48°17.545	123°36.796	170	160		1	M.T.		BONGO
		1730	Bc				48°17.592	123°36.579							
		1739	Bc	NET		002	48°17.639	123°36.302	170	160					
		1801	Bc	TRawl		003	48°17.57	123°35.92	157	1					SURFAC TOW
27	3F02	1240	Bc	CTD		004	48°20.006	123°50.695	140	130		1	M.T.		BONGO
		1256	Bc	NET		005	48°20.006	123°50.695	140	130					BONGO
		1322	Bc	TRawl		006	48°19.60	123°49.67	163	1					TOW AT 15m
27	3F03	1445	Bc	CTD		007	48°23.265	124°02.392	55	45		1	M.T.		BONGO
			Bc	NET		008	48°23.265	124°02.392	55	45					BONGO
		1525	Bc	TRawl		009	48°23.19	124°02.25	69						SURFACE TOW
27	3F04	0634	Bc	CTD		010	48°25.786	124°11.452	74	64		1	M.T.		BONGO
		1644	Bc	NET		011	48°25.786	124°11.452	74	64					BONGO
		1707	Bc	TRawl		012	48°25.63	124°11.18	81						TOW AT 30m

Cast Type:

BOT = Bottle cast, no CTD
 CTD = CTD without Rosette
 ROS = Rosette plus CTD
 SET = Fish Set

USW = Sea Water Loop

MOR = Mooring
 NET = Plankton Net Haul
 DRF = Drifter

Bottle Firing Method:

US = Up / Stop
 UN = Up / No stop
 DN = Down / No stop

Time Code:

BE = Beginning Time of Cast
 BO = Bottom Time of Cast
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 DE = Deployment Time
 MR = Messenger Release Time
 RE = Recover Mooring Time

Transmissometer to be cleaned before each cast, do not use Ammonia products

Produced by the Water Properties Group, IOS

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OCT			2016			FROSTI			2016-40			2 of			
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							Latitude	Longitude							
28	V1 01	0817	BC	CTD		013	48 57.880	125 07 549	98	88		1	H.M.		BOMBO
		0828	BC	NET		014	48 57.880	125 07 549	98	88	Flow meter didn't work				
		0844	BC	TRAWL		015	48 57.99	125 06 35	94						SURFACE TOW
28	V1 02	1040	BC	CTD		016	48 50 197	125 16 133	97	87		1	H.M.		
		1049	BC	NET		017	48 50 197	125 16 133	97	87	Flow OK				BOMBO
		1119	BC	TRAWL		018	48 49.31	125 16.46	94						TOW AT 15m
28	V1 01	1248	BC	CTD		019	48 47 145	125 24 069	97	87		1	H.M.		
		1300	BC	NET		020	48 47 145	125 24 069	97	87					BOMBO
		1330	BC	TRAWL		021	48 46.66	125 23.30	97	99					SURFACE TOW
28	V1 02	1515	BC	CTD		022	48 41 011	125 34 107	177	167		1	H.M.		
		1532	BC	NET		023	48 41 011	125 34 107	166	156					BOMBO
		1612	BC	TRAWL		024	48 39.73	125 33 12	179						TOW AT 30m
29	V1 03	0748	BC	CTD		025	49 05 849	126 02 498	43	33		1	H.M.		
		0753	BC	NET		026	49 05 849	126 02 623	43	33					BOMBO
		0830	BC	TRAWL		027	49 05.43	126 01 000	41						TOW AT SURFACE

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Notes:

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Oct			2016			FR0511			2016-40						
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
29	V1 04	0942	BC	CTD		028	49 08 334	126 06 524	58	48		1	H.M.		BONGO
		0950	BC	NET		029	49 08 459	126 06 629	58	48					
		1019	BC	TRAWL		030	49 02.62	126 05.87	57						TOW AT 15m
29	V1 05	1152	BE	CTD		031	48 58 341	126 12 033	96	86		1	H.M.		BONGO
		1206	BE	NET		032	48 59 544	126 13 071	96	86					BONGO
		1235	BE	TRAW		033	48 58.68	126 12 27	96						SURFACE TOW
29	V1 06	1407	BE	CTD		034	48 55 088	126 19 719	142	132		1	H.M.		BONGO
		1424	BE	NET		035	48 55 109	126 19 741	142	132					BONGO
		1459	BE	TRAWL		036	48 54.39	126 18.91	141						TOW AT 30m
29	V1 07	1605	BE	CTD		037	48 53 658	126 23 020	157	147		1	H.M.		BONGO
		1622	BE	NET		038	48 53 658	126 23 020							BONGO
		1645	BE	TRAWL		039	48 53 33	126 22.66							SURFACE TOW
30	CP 01	0742	BE	CTD		040	49 20 658	126 33 282	50	40		1	H.M.		BONGO
		0749	BE	NET		041	49 20 489	126 33 546	50	40					BONGO
		0812	BE	TRAWL		042	49 20.83	126 31.07	46						SURFACE TOW

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Month			Year			Ship			Cruise ID						
Oct			2016			FROST			2016-4						
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
30	EP 02	0923	BE	CTD		043	49 18 788	126 37 228	91	81		1	H.M.		BOTGO
		0932	BE	NET		044	49 18 904	126 37 424	91	81					
		1000	BE	TRAWL		045	49 18 38	126 36 62	93						Tow at 15m
30	EP 03	1108	BE	CTD		046	49 16 845	126 41 381	114	104		1	H.M.		BOTGO
		1120	BE	NET		047	49 16 845	126 41 381	114	104					
		1149	BE	TRAWL		048	49 16 32	126 40 72	114						Tow at surface
30	EP 04	1253	BE	CTD		049	49 14 913	126 45 461	123	113		1	H.M.		
		1306	BE	NET		050	49 14 813	126 45 461	123	113					BOTGO
		1336	BE	TRAWL		051	49 14 01	126 45 02	123						Tow at 30m
30	EP 05	1446	BE	CTD		052	49 12 182	126 49 408	149	139		1	H.M.		BOTGO
		1502	BE	NET		053	NO	SAMPLE (2015 OF TOW)							
		1529	BE	TRAWL		054	49 11 41	126 48 73	139						Tow at surface
30	EP 06	1751	BE	CTD		055	49 10 313	126 57 418				1	H.M.		
		1740	BE	NET		056	49 10 313	126 57 418							BOTGO
		1851	BE	TRAWL		057	49 09	126 53 22	190						Tow at 15m

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Month		Oct / Nov		Year		2016		Ship		FROSTI		Cruise ID				2016-40	
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments		
							Latitude	Longitude									
31	V1 08	0735	BE	CTD		058	49 32 396	127 08 048	135	125	0	1	H.M.		BONGO		
		0756	BE	NET		059	49 32 396	127 08 048	135	125					BONGO		
		0820	BE	TRAWL		060	49 32 08	127 07 34	133						SURFACE TOW		
31	V1 09	0943	BE	CTD		061	49 35 275	127 02 544	108	98	1	1	H.M.		BONGO		
		0954	BE	NET		062	49 35 275	127 02 544	108	98					BONGO		
		1022	BE	TRAWL		063	49 34 55	127 01. 63	107						TOW AT 15m		
31	V1 10	1140	BS	CTD		064	49 38 546	126 57 106	47	37	2	1	H.M.		BONGO		
		1146	BE	NET		065	49 38 546	126 57 106	47	37					BONGO		
		1206	BE	TRAWL		066	49 39. 02	126 57 61	47						SURFACE TOW		
1	V1 03	0753	BE	CTD		067	49 56 733	126 48 690	159	149	3	1	H.M.		(NO SUR SAMPLE)		
		0809	BE	NET		068	49 56 733	126 48 690	144	134					BONGO		
		0833	BE	TRAWL		069	49 56. 81	126 48. 75	159						SURFACE TOW		
1	V1 04	1023	BE	CTD	2 ND	070	49 52 523	126 49 205			4	1	H.M.		BONGO		
		1043	BE	NET	3 RD	071	49 52 523	126 49 205							BONGO		
		1019	BE	TRAWL	1 ST	072	49 53. 44	126 48. 05	242						TOW AT 15m		

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Month			Year			Ship			Cruise ID						
NOV			2016			FROSTI			2016-40						
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
1	1V1 05	1128	BE	CTD	2ND	073	49 52 421	126 49 494	192	182	5	1	H.M.		BONGO
		1121	BE	NET	1ST	074	49 52 421	126 49 494	192	182					BONGO
		1154	BE	TRAWL	3RD	075	49 52 06	126 55. 4	225						See more below
1	1V1 06	1257	BE	CTD		076	49 51 919	126 56 120	194	194	6	1	H.M.		BONGO
		1316	BE	NET		077	49 51 919	126 56 120	194	184					BONGO
		1339	BE	TRAWL		078	49 58, 13	126 56, 15							See more below
1	1V1 07	1454	BE	CTD		079	49 51 460	126 55 892	138	128	7	1	H.M.		BONGO
		1511	BE	NET		080	49 51 460	126 55 892	138	128					BONGO
		1542	BE	TRAWL		081	49 51, 13	126 56, 98							
2	1V1 08	0758	BE	CTD		082	50 25 633	127 30 764	166	156		1	H.M.		BATTERY FAIL
		0817	BE	NET		083	50 25 633	127 30 764	166	156					BONGO
		0839	BE	TRAWL		084	50 25 64	127 30. 55							
2	1V1 09	0930	BE	CTD		085	50 29 234	127 33 871	178	168		1	H.M.		BATTERY FAIL
		0946	BE	NET		086	50 29 228	127 33 992	163	153					BONGO
		1010	BE	TRAWL		087	50 29, 34	127 34, 20							See more below

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Month			Year			Ship			Cruise ID						
NOV			2016			FR0571			2016.40						
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
2	1V1 10	1117	BE	CTD		0988	5030 338	127 42 261	117	107		1	HM		BATTERY FAIL
		1130	BE	NET		0989	50 30 209	127 42 404	117	107					BOMB
		1155	BE	TRAWL		0990	50 30.26	127 41.68	125						Science Trawl
2	1V1 11	1252	BE	CTD		0991	50 29 530	127 48 993	135	125		1	HM		BATTERY FAIL
		1306	BE	NET		0992	50 29 530	127 48 993	135	125					BOMB
		1334	BE	TRAWL		0993	50 28.39	127 48.49	140						Tow at 30 m
2	1V1 12	1429	BE	CTD		0994	50 20 223	127 54 410	225	215		1			BATTERY FAIL
		1451	BE	NET		0995	50 20 223	127 54 410	225	215			HM.		BOMB
		1519	BE	TRAWL		0996	50 28.29	127 53.74	168						CHANGED BATTERIES
3	QCST 01	0753	BE	CTD		0997	50 40 536	127 11 740	69	59		1	HM		
		0809	BE	NET		0998	50 40 536	127 11 740	69	59					BOMB
		0827	BE	TRAWL		0999	50 40.31	127 12.15	66						Science Trawl
3	QCST 02	0936	BE	CTD		1000	50 40 726	127 03 756	103	93		1	HM		
		0947	BE	NET		1001	50 40 726	127 03 756	103	93					BOMB
		1019	BE	TRAWL		1002	50 40.95	127 03.03	110						Tow at 15 m

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