

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

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Month OCTOBER				Year 2016				Ship FROSTI				Cruise ID 2016:30 / SOG 2016-16			
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							
17	SET 1	13:50	BE	CTD		01	49° 14.113	123° 52.879	164	155 = (155)					Lat/long for CTD
17		14:05	BE	NET		02	49° 14.113	123° 52.879	161	150 = (150)					NOT recorded ↳ used Bongo info
17	↓	14:49	BE	SET		03	49° 14.93	123° 52.75	161						-
17	SET 2	16:36	BE	SET		04	49° 16.47	123° 46.56	407						
17	SET 3	18:04	BE	SET		05	49° 19.60	123° 37.70	264						
17	SET 4	19:21	BE	SET		06	49° 22.08	123° 32.47	138						
17		20:06	BE	CTD		07	49° 23.224	123° 36.102	151	140					
17	↓	20:23	BE	NET		08	49° 23.365	123° 36.314	145	135					
17	SET 5	21:09	BE	SET		09	49° 24.01	123° 42.45	175						
17	SET 6	22:14	BE	SET		10	49° 25.58	123° 49.03	184						
17	SET 7	23:28	BE	SET		11	49° 23.31	123° 50.30	184						
17	SET 8	24:32	BE	SET		12	49° 24.35	123° 55.56	274						

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
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MR = Messenger Release Time
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Transmissometer & Fluorometer are to be cleaned before each cast

Produced by the Water Properties Group, IOS

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Notes:

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Month <u>OCTOBER</u>				Year <u>2016</u>			Ship <u>FROST I</u>				Cruise ID <u>2016-30 ; SOG 2016-16</u>				
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							
18	SET 9	25:18	BE	SET		13	49° 26.10	123° 54.82	212						
18		25:58	BE	NET		14	49° 26.773	123° 57.746	207	197					
18	↓	26:10	BE	CTD		15	49° 26.774	123° 58.073	210	200					
← END OF DAY →															
18	SET 10	13:46	BE	CTD		16	49° 30.618	124° 04.022	156	146					
18		14:02	BE	NET		17	49° 30.765	124° 03.986	161	151					
18	↓	14:30	BE	SET		18	49° 30.52	124° 05.32	310						
18	SET 11	15:41	BE	SET		19	49° 26.27	124° 07.25	126						
18	SET 12	17:08	BE	SET		20	49° 22.65	124° 16.55	312						
18	SET 13	18:25	BE	SET		21	49° 23.82	124° 20.81	289						
18	SET 14	19:24	BE	SET		22	49° 26.16	124° 22.44	340						
18		20:08	BE	CTD		23	49° 24.478	124° 25.239	307	250					
18	↓	20:34	BE	NET		24	49° 24.468	124° 25.332	304	250					

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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							
18	SET 15	21:14	BE	SET		25	49°22.68	124°27.79	85						
18	SET 16	22:26	BE	SET		26	49°26.06	124°34.36	130						
18	SET 17	23:41	BE	SET		27	49°30.072	124°33.566	190						
18	SET 18	24:51	BE	SET		28	49°32.51	124°25.55	126						
19		25:44	BE	NET		29	49°33.364	124°22.683	247	235					
19	↓	25:56	BE	CTD		30	49°33.371	124°22.865	210	200					
← END OF DAY →															
19	SET 19	13:51	BE	CTD		31	49°30.743	124°05.582	322	250					
19		14:20	BE	NET		32	49°31.135	124°05.843	340	250					
19	↓	14:51	BE	SET		33	49°32.78	124°06.08	330						
19	SET 20	16:04	BE	SET		34	49°37.51	124°10.19	202						
19	SET 21	17:08	BE	SET		35	49°38.10	124°15.76	283						

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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							
19	SET 22	18:07	BE	SET		36	49°42.32	124°18.22	211						
19		19:08	BE	CTD		37	49°44.805	124°19.367	124	114					
19	√	19:21	BE	NET		38	49°44.870	124°19.470	128	118					
19	SET 23	19:55	BE	SET		39	49°44.86	124°22.12	166						
19	SET 24	21:04	BE	SET		40	49°45.62	124°29.30	305						
19	SET 25	22:04	BE	SET		41	49°47.96	124°33.51	310						
19	SET 26	23:09	BE	SET		42	49°51.85	124°35.40	116						
19	SET 27	24:17	BE	SET		43	49°55.40	124°42.24	156						
20		25:02	BE	NET		44	49°57.629	124°45.947	98	88					
20	√	25:10	BE	CTD		45	49°57.775	124°46.249	95	85					
← END OF DAY →															

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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							
20	SET 28	13:49	BE	CTD		46	50° 09.438	125° 01.696	305	250					
20		14:21	BE	NET		47	50° 09.616	125° 01.539	307	250					
20	✓	14:49	BE	SET		48	50° 09.49	125° 01.77	318						
20	SET 29	15:55	BE	SET		49	50° 06.29	125° 06.20	262						
20	SET 30	17:17	BE	SET		50	50° 00.58	125° 06.54	231						
20		17:58	BE	CTD		51	50° 00.838	125° 03.333	145	135					
20	✓	18:15	BE	NET		52	50° 01.027	125° 03.540	154	144					
20	SET 31	18:52	BE	SET		53	49° 48.76	125° 01.18	143						
20	SET 32	20:00	BE	SET		54	49° 55.70	125° 01.24	273						
20	SET 33	21:08	BE	SET		55	49° 52.84	125° 04.54	90						
20	SET 34	22:15	BE	SET		56	49° 49.67	124° 59.91	98						
20	SET 35	23:30	BE	SET		57	49° 50.19	124° 55.20	258						

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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							
20	SET 36	24:30	BE	SET	58		49° 52.78	124° 50.53	150						
21		25:16	BE	NET	59		49° 51.249	124° 46.962	116	106					
21	↓	25:25	BE	CTD	60		49° 51.397	124° 46.786	107	97					
← END OF DAY →															
21	SET 37	13:57	BE	CTD	61		49° 33.751	124° 21.404	347	250					
21		14:23	BE	NET	62		49° 34.099	124° 21.722	307	250					
21	↓	14:55	BE	SET	63		49° 34.23	124° 21.79	265						
21	SET 38	16:15	BE	SET	64		49° 37.42	124° 27.90	329						
21	SET 39	17:25	BE	SET	65		49° 40.37	124° 32.99	219						
21	SET 40	18:50	BE	SET	66		49° 46.44	124° 40.48	170						
21		19:34	BE	CTD	67		49° 45.461	124° 45.011	357	250					
21	↓	20:01	BE	NET	68		49° 45.740	124° 45.710	356	250					
21	SET 41	20:32	BE	SET	69		49° 44.82	124° 48.12	240						

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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							
21	SET 42	21:44	BE	SET		70	49° 41.53	124° 48.65	64						
21	SET 43	22:46	BE	SET		71	49° 37.64	124° 45.96	56						
21	SET 44	24:15	BE	SET		72	49° 37.23	124° 42.61	129						
	← END OF DAY →														
22	SET 45	13:59	BE	CTD		73	49° 12.048	123° 47.082	175	165					
22		14:17	BE	NET		74	49° 12.068	123° 47.248	176	166					
22	↓	14:41	BE	SET		75	49° 12.42	123° 47.62	134						
22	SET 46	15:47	BE	SET		76	49° 11.12	123° 42.46	201						
22	SET 47	16:45	BE	SET		77	49° 10.98	123° 38.67	281						
22	SET 48	17:51	BE	SET		78	49° 12.89	123° 31.81	348						
22		18:33	BE	CTD		79	49° 14.153	123° 27.049	307	250					
22	↓	19:00	BE	NET		80	49° 14.307	123° 27.822	307	250					

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Month OCTOBER			Year 2016				Ship FROST		Cruise ID 2016-30: SOG2016-16						
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							
22	SET 49	19:40	BE	SET		81	49° 15.16	123° 24.76	235						
22	SET 50	20:55	BE	SET		82	49° 19.21	123° 20.07	113						
22	SET 51	22:05	BE	SET		83	49° 25.54	123° 17.37	245						
22	SET	22:41	BE	CTD		84	49° 27.137	123° 16.905	245	235					
22	✓	23:05	BE	NET		85	49° 27.054	123° 16.828	245	235					
22	SET 52	23:55	BE	SET		86	49° 25.11	123° 23.80	239						
22	SET 53	24:56	BE	SET		87	49° 19.94	123° 25.76	120						
23	✓	25:29	BE	NET		88	49° 19.602	123° 23.215	142	132					
23	✓	25:38	BE	CTD		89	49° 19.621	123° 23.038	139	129					
← END OF DAY →															
23	SET 54	14:46	BE	SET		90	49° 15.13	123° 17.66	69						

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Month <u>OCTOBER</u>				Year <u>2016</u>			Ship <u>FROST</u>			Cruise ID <u>2016-30; SOG 2016-16</u>					
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							
23	SET 55	15:45	BE	SET		91	49° 10.27	123° 18.22	91						
23		16:32	BE	CTD		92	49° 06.940	123° 19.066	75	65					
23	↓	16:41	BE	NET		93	49° 06.928	123° 19.043	69	59					
23	SET 56	17:24	BE	SET		94	49° 05.20	123° 23.70	228						
23	SET 57	18:45	BE	SET		95	49° 06.50	123° 31.30	360						
23	SET 58	19:52	BE	SET		96	49° 06.39	123° 36.35	201						
23		20:36	BE	CTD		97	49° 04.341	123° 35.056	206	196					
23	↓	20:56	BE	NET		98	49° 04.508	123° 35.151	207	197					
23	SET 59	21:38	BE	SET		99	49° 02.10	123° 33.36	186						
23	SET 60	22:51	BE	SET		100	48° 58.18	123° 25.24	154						
23	SET 61	24:11	BE	SET		101	48° 54.35	123° 15.51	164						
24	SET 62	25:14	BE	SET		102	48° 51.57	123° 09.19	149						END OF DAY →

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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							
24	SET 63	14:32	BE	CTD		103	48° 44.703	123° 36.115	52	42					
24		14:39	BE	NET		104	48° 44.679	123° 36.124	52	42					
24	✓	15:00	BE	SET		105	48° 44.72	123° 36.04	54						
24	SET 64	15:37	BE	SET		106	48° 44.02	123° 33.39	56						
24	SET 65	16:28	BE	SET		107	48° 42.66	123° 31.53	77						
24	SET 66	17:15	BE	SET		108	48° 42.43	123° 28.53	77						
24	SET 67	18:13	BE	SET		109	48° 42.49	123° 28.47	78						
24	SET 68	18:59	BE	SET		110	48° 42.55	123° 31.11	76						
24	SET 69	19:51	BE	SET		111	48° 44.43	123° 33.41	130						
24		20:26	BE	CTD		112	48° 43.10	123° 31.53	73	63					
24		20:34	BE	NET		113	48° 43.09	123° 31.50	73	63					
24		20:50	BE	CTD		114	48° 44.08	123° 32.92	150	140					
24	✓	21:06	BE	NET		115	48° 44.05	123° 32.92	146	136					END of DAY →

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							Latitude	Longitude							
25	SET 70	16:01	BE	CTD		116	47°59.470	122°40.110	62	52					
25	↓	16:23	BE	SET		117	47°59.13	122°40.47	58						
25	SET 71	17:12	BE	SET		118	47°57.32	122°35.57	121						
25	SET 72	18:06	BE	SET		119	47°54.45	122°30.60	102						
25	SET 73	19:04	BE	CTD		120	47°50.098	122°24.771	168	158					
	↓	19:31	BE	SET		121	47°50.37	122°54.46	175						
25	SET 74	21:55	BE	SET		122	47°34.29	122°25.63	98						
25	SET 75	22:51	BE	SET		123	47°30.75	122°24.50	186						
25	SET 76	23:50	BE	SET		124	47°26.54	122°22.79	138						
25	SET 77	24:53	BE	SET		125	47°22.49	122°20.58	180						
26	↓	25:22	BE	CTD		126	47°21.273	122°21.335	166	156					
← END OF DAY →															

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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							
26	SET 78	14:18	BE	CTD		127	47° 21.359	122° 32.772	77	67					
26	↓	15:12	BE	SET		128	47° 21.01	122° 32.75	105						
26	SET 79	16:02	BE	SET		129	47° 24.44	122° 32.23	122						
26	SET 80	16:54	BE	SET		130	47° 27.50	122° 31.01	104						
26	SET 81	18:59	BE	SET		131	47° 42.25	122° 24.81	99						
	↓	19:22	BE	CTD		132	47° 43.156	122° 24.256	179	69					* supposed to be 169 m
	↓	19:29	BE	CTD		133	47° 43.128	122° 24.259	180	170					* → CTD or done *
26	SET 82	21:17	BE	SET		134	47° 55.21	122° 27.63	94						
26	SET 83	22:13	BE	SET		135	47° 58.43	122° 33.73	51						
26	SET 84	23:06	BE	SET		136	48° 02.78	122° 37.14	109						
26	↓	23:32	BE	CTD		137	48° 04.320	122° 37.777	133	123					
← END OF DAY →															

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

Notes:

Time Code:

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

Transmissometer & Fluorometer are to be cleaned before each cast

Produced by the Water Properties Group, IOS

WaterProperties.ca
 Version: 7 July 2014