

Cruise Summary For FOCI Cruise AQ16-01 (AQ16-01)

Cruise Summary

Date (GMT)	Time (GMT)	Station	Haul	Alt. Station	Depth (m)	Latitude	Longitude	Gear	SamplesCollected	HaulComments
2016-09-04	16:13	1	1	CTD001	50	65 37.93 N	168 28.07 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor, Sal	Station position approximately equal to RUSALCA BS22
2016-09-04	06:01	2	1	CTD002	50	65 43.15 N	168 49.04 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	Position approximately equal to RUSALCA BS18
2016-09-07	06:58	3	4	CTD003	50	71 2.74 N	160 31.04 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-07	17:10	4	2	CTD004	46	71 12.15 N	158 0.82 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor, Sal	
2016-09-08	23:00	5	3	CTD005	1032	72 27.8 N	156 32.29 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	Deployment 16CKP-9A 3 bottles did not trip (10, 20, 30 m) Time is questionable
2016-09-09	19:59	6	1	BON001	1476	71 58.64 N	153 18.05 W	60BON	QTowF	Wire angles too high on retrieval (>55). No wire out reading on winch (WO estimated)
2016-09-09	19:59	6	1	BON001	1476	71 58.64 N	153 18.05 W	60BON	Discard	Wire angles too high on retrieval (>55). No wire out reading on winch (WO estimated)
2016-09-09	19:59	6	1	BON001	1476	71 58.64 N	153 18.05 W	20BON	QTowF	Wire angles too high on retrieval (>55). No wire out reading on winch (WO estimated)
2016-09-09	19:59	6	1	BON001	1476	71 58.64 N	153 18.05 W	20BON	Discard	Wire angles too high on retrieval (>55). No wire out reading on winch (WO estimated)
2016-09-09	19:59	6	1	BON001	1476	71 58.64 N	153 18.05 W	CAT	CAT	Wire angles too high on retrieval (>55). No wire out reading on winch (WO estimated)
2016-09-09	20:30	6	2	CTD006	1640	71 58.92 N	153 20.1 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-09	21:55	7	1	CTD007	896	71 53.4 N	153 25.43 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-09	23:05	8	1	BON002	171	71 48.98 N	153 36.84 W	60BON	QTowF	Strong current from ESE, wire angles 55-60 degrees
2016-09-09	23:05	8	1	BON002	171	71 48.98 N	153 36.84 W	60BON	Discard	Strong current from ESE, wire angles 55-60 degrees
2016-09-09	23:05	8	1	BON002	171	71 48.98 N	153 36.84 W	20BON	QTowF	Strong current from ESE, wire angles 55-60 degrees
2016-09-09	23:05	8	1	BON002	171	71 48.98 N	153 36.84 W	20BON		Strong current from ESE, wire angles 55-60 degrees
2016-09-09	23:05	8	1	BON002	171	71 48.98 N	153 36.84 W	CAT	CAT	Strong current from ESE, wire angles 55-60 degrees
2016-09-09	23:40	8	2	CTD008	169	71 48.82	153 36.97	CTDB	Par, CTD, Chlor, Nut, oxygen, Fluor, Sal	
2016-09-10	00:55	9	1	CTD009	51	71 42.72 N	153 46.8 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	

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Date (GMT)	Time (GMT)	Station	Haul	Alt. Station	Depth (m)	Latitude	Longitude	Gear	SamplesCollected	HaulComments
2016-09-10	02:06	10	1	BON003	44	71 35.86 N	153 57.52 W	60BON	QTowF	Angle at depth = 45
2016-09-10	02:06	10	1	BON003	44	71 35.86 N	153 57.52 W	60BON	Discard	Angle at depth = 45
2016-09-10	02:06	10	1	BON003	44	71 35.86 N	153 57.52 W	20BON	QTowF	Angle at depth = 45
2016-09-10	02:06	10	1	BON003	44	71 35.86 N	153 57.52 W	20BON	Discard	Angle at depth = 45
2016-09-10	02:06	10	1	BON003	44	71 35.86 N	153 57.52 W	CAT	CAT	Angle at depth = 45
2016-09-10	22:00	10	2	CTD010	44	71 35.86 N	153 57.04 W	CTDB	CTD, Chlor, Nut, oxygen, Fluor	
2016-09-10	04:13	11	1	CTD011	44	71 30.37 N	154 6.71 W	CTDB	PAR, CTD, Chlor, Nut, Fluor, Sal	
2016-09-10	05:06	12	1	BON004	34	71 24.91 N	154 15.36 W	20BON	QTowF	
2016-09-10	05:06	12	1	BON004	34	71 24.91 N	154 15.36 W	20BON	Discard	
2016-09-10	05:06	12	1	BON004	34	71 24.91 N	154 15.36 W	60BON	QTowF	
2016-09-10	05:06	12	1	BON004	34	71 24.91 N	154 15.36 W	60BON	Discard	
2016-09-10	05:06	12	1	BON004	34	71 24.91 N	154 15.36 W	CAT	CAT	
2016-09-10	05:21	12	2	CTD012	35	71 24.89 N	154 15.95 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-10	00:00	13	1	CTD013	20	71 19.14 N	154 25.8 W	CTDB	CTD, Chlor, Nut, oxygen, Fluor	
2016-09-10	07:06	14	1	BON005	15	71 13.81 N	154 34.34 W	60BON	QTowF	
2016-09-10	07:06	14	1	BON005	15	71 13.81 N	154 34.34 W	60BON	Discard	
2016-09-10	07:06	14	1	BON005	15	71 13.81 N	154 34.34 W	20BON	Discard	
2016-09-10	07:06	14	1	BON005	15	71 13.81 N	154 34.34 W	20BON	Discard	
2016-09-10	07:06	14	1	BON005	15	71 13.81 N	154 34.34 W	CAT	CAT	
2016-09-10	07:15	14	2	CTD014	15	71 14.02 N	154 34.43 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-10	08:06	15	1	CTD015	8	71 9.25 N	154 42.8 W	CTDB	PAR, CTD, Chlor, Nut, oxygen	
2016-09-10	19:23	16	1	CTD016	64	71 34.79 N	157 50.49 W	CTDB	PAR, CTD, Chlor, Nut, Fluor	
2016-09-10	21:08	17	1	CTD017	82	157 39.84 N	157 39.84 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-11	04:01	18	1	SLED001	44	71 14.7 N	157 9.48 W	SLED	QTowF	DBO5 Sled fished obliquely with only net 2 open with Lg-CB. Wire angle about 55 degrees. Codend was not on Lg CB, no sample collected. Fastcat program was not turned off after tow so file will be long and need editing.
2016-09-11	04:01	18	1	SLED001	44	71 14.7 N	157 9.48 W	CAT	CAT	
2016-09-11	04:13	18	2	CTD018	44	71 14.92 N	157 8.7 W	CTDB	PAR, CTD, Chlor, Nut, Fluor, Sal	Error code displayed briefly on startup.

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Date (GMT)	Time (GMT)	Station	Haul	Alt. Station	Depth (m)	Latitude	Longitude	Gear	SamplesCollected	HaulComments
2016-09-11	04:49	19	1	CTD019	55	71 17.2 N	157 14.91 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	In transit to BC3 but ice stopped us partway.
2016-09-11	05:15	19	2	SLED002	58	71 17.89 N	157 14.1 W	CAT	CAT	
2016-09-11	05:15	19	2	SLED002	58	71 17.89 N	157 14.1 W	LG-CB	QTowF	
2016-09-11	05:15	19	2	SLED002	58	71 17.89 N	157 14.1 W	SLED	QTowF	
2016-09-11	22:00	20	1	SLED003	29	70 51.4 N	159 39.9 W	SLED	Discard	Net 2 did not open completely, sample discarded, Lg-CB also discarded. Wire angle about 55 degrees.
2016-09-11	22:00	20	1	SLED003	29	70 51.4 N	159 39.9 W	SLED	QTowF	Net 2 did not open completely, sample discarded, Lg-CB also discarded. Wire angle about 55 degrees.
2016-09-11	22:00	20	1	SLED003	29	70 51.4 N	159 39.9 W	CAT	CAT	
2016-09-11	22:45	20	2	SLED003_2	29	70 51.0 N	159 40.0 W	SLED	QTowF	Oblique tow using net 2 only.
2016-09-11	22:03	20	3	CTD020	29	70 51.96 N	159 37.53 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	Bottom depth may be incorrect.
2016-09-11	23:36	21	1	SLED004	69	70 58.88 N	159 57.13 W	SLED	Discard	Net 2 did not trip. Time not recorded accurately. Samples discarded. Tripping mechanism height adjusted.
2016-09-11	23:36	21	1	SLED004	69	70 58.88 N	159 57.13 W	SLED	Discard	Net 2 did not trip. Time not recorded accurately. Samples discarded. Tripping mechanism height adjusted.
2016-09-11	23:36	21	1	SLED004	69	70 58.88 N	159 57.13 W	LG-CB	Discard	Net 2 did not trip. Time not recorded accurately. Samples discarded. Tripping mechanism height adjusted.
2016-09-11	23:36	21	1	SLED004	69	70 58.88 N	159 57.13 W	CAT	CAT	Net 2 did not trip. Time not recorded accurately. Samples discarded. Tripping mechanism height adjusted.
2016-09-11	00:00	21	2	CTD021	70	70 58.73 N	159 57.4 W	CTDB	CTD, Chlor, Nut, oxygen, Fluor	
2016-09-12	00:35	21	3	SLED004_2	70	70 58.9 N	159 57.99 W	CAT	CAT	
2016-09-12	00:35	21	3	SLED004_2	70	70 58.9 N	159 57.99 W	LG-CB	QTowF	
2016-09-12	00:35	21	3	SLED004_2	70	70 58.9 N	159 57.99 W	SLED	QTowF	
2016-09-12	00:35	21	3	SLED004_2	70	70 58.9 N	159 57.99 W	SLED	QTowF	
2016-09-12	02:57	22	1	SLED005	70	71 6.94 N	160 16.07 W	SLED	QTowF	
2016-09-12	02:57	22	1	SLED005	70	71 6.94 N	160 16.07 W	SLED	QTowF	

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Date (GMT)	Time (GMT)	Station	Haul	Alt. Station	Depth (m)	Latitude	Longitude	Gear	SamplesCollected	HaulComments
2016-09-12	02:57	22	1	SLED005	70	71 6.94 N	160 16.07 W	LG-CB		
2016-09-12	02:57	22	1	SLED005	70	71 6.94 N	160 16.07 W	CAT	CAT	
2016-09-12	03:26	22	2	CTD022	72	71 7.14 N	160 15.28 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor, Sal	
2016-09-12	16:27	23	1	BON006	41	70 42.77 N	161 10.93 W	20BON	QTowF	Samples for R. Hopperft. DBO4
2016-09-12	16:27	23	1	BON006	41	70 42.77 N	161 10.93 W	20BON	QTowF	Samples for R. Hopperft. DBO4
2016-09-12	16:27	23	1	BON006	41	70 42.77 N	161 10.93 W	60BON	QTowF	Samples for R. Hopperft. DBO4
2016-09-12	16:27	23	1	BON006	41	70 42.77 N	161 10.93 W	60BON	Discard	Samples for R. Hopperft. DBO4
2016-09-12	16:27	23	1	BON006	41	70 42.77 N	161 10.93 W	CAT	CAT	Samples for R. Hopperft. DBO4
2016-09-12	16:44	23	2	CTD023	41	70 42.93 N	161 10.12 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-12	18:20	24	1	BON007	45	70 50.48 N	161 32.78 W	20BON	QTowF	Hopperft DBO4. One Chrysaora melanaster about 15 cm removed from net 1 60BON.
2016-09-12	18:20	24	1	BON007	45	70 50.48 N	161 32.78 W	60BON	QTowF	Hopperft DBO4. One Chrysaora melanaster about 15 cm removed from net 1 60BON.
2016-09-11	18:20	24	1	BON007	45	70 50.48 N	161 32.78 W	60BON	Discard	
2016-09-12	18:20	24	1	BON007	45	70 50.48 N	161 32.78 W	20BON	QTowF	Hopperft DBO4. One Chrysaora melanaster about 15 cm removed from net 1 60BON.
2016-09-12	18:20	24	1	BON007	45	70 50.48 N	161 32.78 W	CAT	CAT	
2016-09-12	18:29	24	2	CTD024	44	70 55.56 N	161 32.32 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-12	20:05	25	1	BON008	43	70 58.44 N	161 54.01 W	60BON	QTowF	Hopperft station. DBO4. One Chrysaora melanaster about 15 cm removed from net 1 60BON.
2016-09-12	20:05	25	1	BON008	43	70 58.44 N	161 54.01 W	60BON	Discard	Hopperft station. DBO4. One Chrysaora melanaster about 15 cm removed from net 1 60BON.
2016-09-12	20:05	25	1	BON008	43	70 58.44 N	161 54.01 W	20BON	QTowF	Hopperft station. DBO4. One Chrysaora melanaster about 15 cm removed from net 1 60BON.
2016-09-12	20:05	25	1	BON008	43	70 58.44 N	161 54.01 W	CAT	CAT	Hopperft station. DBO4. One Chrysaora melanaster about 15 cm removed from net 1 60BON.
2016-09-12	20:20	25	2	CTD025	44	70 58.56 N	161 53.13 W	CTDB	PAR, CTD, Chlor, Nut, oxygen	
2016-09-12	21:54	26	1	BON009	45	71 6.3 N	162 15.26 W	60BON	QTowF	Hopperft station, DBO4. One Cyanea about 15 cm removed from net 1 60BON and discarded.
2016-09-12	21:54	26	1	BON009	45	71 6.3 N	162 15.26 W	60BON	Discard	Hopperft station, DBO4. One Cyanea about 15 cm removed from net 1 60BON and discarded.
2016-09-12	21:54	26	1	BON009	45	71 6.3 N	162 15.26 W	20BON	QTowF	Hopperft station, DBO4. One Cyanea about 15 cm removed from net 1 60BON and discarded.
2016-09-12	21:54	26	1	BON009	45	71 6.3 N	162 15.26 W	20BON	QTowF	Hopperft station, DBO4. One Cyanea about 15 cm removed from net 1 60BON and discarded.
2016-09-12	21:54	26	1	BON009	45	71 6.3 N	162 15.26 W	CAT	QTowF	Hopperft station, DBO4. One Cyanea about 15 cm removed from net 1 60BON and discarded.

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Date (GMT)	Time (GMT)	Station	Haul	Alt. Station	Depth (m)	Latitude	Longitude	Gear	SamplesCollected	HaulComments
2016-09-12	20:05	26	2	CTD 026	45	71 6.47 N	162 14.9 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-12	23:37	27	1	BON010	44	71 13.85 N	162 38.71 W	20BON	QTowF	Hopcroft station. DBO4
2016-09-12	23:37	27	1	BON010	44	71 13.85 N	162 38.71 W	CAT	CAT	Hopcroft station. DBO4
2016-09-12	23:37	27	1	BON010	44	71 13.85 N	162 38.71 W	60BON	Discard	Hopcroft station. DBO4
2016-09-12	23:37	27	1	BON010	44	71 13.85 N	162 38.71 W	60BON	QTowF	Hopcroft station. DBO4
2016-09-12	23:37	27	1	BON010	44	71 13.85 N	162 38.71 W	20BON	QTowF	Hopcroft station. DBO4
2016-09-13	23:50	27	2	CTD027	45	71 13.94 N	162 38.24 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-13	01:18	28	1	BON011	44	71 21.74 N	163 0.58 W	60BON	QTowF	Hopcroft Sample, DBO4.
2016-09-13	01:18	28	1	BON011	44	71 21.74 N	163 0.58 W	20BON	QTowF	Hopcroft Sample, DBO4.
2016-09-13	01:18	28	1	BON011	44	71 21.74 N	163 0.58 W	CAT	CAT	Hopcroft Sample, DBO4.
2016-09-13	01:18	28	1	BON011	44	71 21.74 N	163 0.58 W	20BON	QTowF	Hopcroft Sample, DBO4.
2016-09-13	01:18	28	1	BON011	44	71 21.74 N	163 0.58 W	60BON	Discard	Hopcroft Sample, DBO4.
2016-09-13	00:23	28	2	CTD028	42	70 32.76 N	164 12.46 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-13	03:13	29	1	BON012	41	71 28.87 N	163 23.48 W	60BON	QTowF	Hopcroft sample, DBO4
2016-09-13	03:13	29	1	BON012	41	71 28.87 N	163 23.48 W	60BON	Discard	Hopcroft sample, DBO4
2016-09-13	03:13	29	1	BON012	41	71 28.87 N	163 23.48 W	20BON	QTowF	Hopcroft sample, DBO4
2016-09-13	03:13	29	1	BON012	41	71 28.87 N	163 23.48 W	20BON	QTowF	Hopcroft sample, DBO4
2016-09-13	03:13	29	1	BON012	41	71 28.87 N	163 23.48 W	CAT	CAT	Hopcroft sample, DBO4
2016-09-13	03:24	29	2	CTD029	41	71 29.1 N	163 23.5 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-13	04:57	30	1	BON013	40	71 36.88 N	163 45.66 W	CAT	CAT	Hopcroft sample, DB04
2016-09-13	04:57	30	1	BON013	40	71 36.88 N	163 45.66 W	60BON	QTowF	Hopcroft sample, DB04
2016-09-13	04:57	30	1	BON013	40	71 36.88 N	163 45.66 W	60BON	Discard	Hopcroft sample, DB04
2016-09-13	04:57	30	1	BON013	40	71 36.88 N	163 45.66 W	20BON	QTowF	Hopcroft sample, DB04
2016-09-13	04:57	30	1	BON013	40	71 36.88 N	163 45.66 W	20BON	QTowF	Hopcroft sample, DB04
2016-09-13	05:10	30	2	CTD030	40	71 37.07 N	163 46.0 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-13	16:24	31	1	CTD031	40	71 37.0 N	163 46.06 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	Resume ML (Hopcroft DBO) line AM next day (local time).
2016-09-13	17:53	32	1	BON014	37	71 44.75 N	164 9.78 W	60BON	QTowF	Hopcroft sample, DBO4.
2016-09-13	17:53	32	1	BON014	37	71 44.75 N	164 9.78 W	20BON	QTowF	Hopcroft sample, DBO4.
2016-09-13	17:53	32	1	BON014	37	71 44.75 N	164 9.78 W	CAT	CAT	Hopcroft sample, DBO4.
2016-09-13	17:53	32	1	BON014	37	71 44.75 N	164 9.78 W	20BON	QTowF	Hopcroft sample, DBO4.
2016-09-13	17:53	32	1	BON014	37	71 44.75 N	164 9.78 W	60BON	Discard	Hopcroft sample, DBO4.
2016-09-13	18:05	32	2	CTD032	40	71 44.82 N	164 9.61 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-13	19:28	33	1	BON015	38	71 52.34 N	164 33.4 W	60BON	QTowF	Hopcroft sample, DBO4
2016-09-13	19:28	33	1	BON015	38	71 52.34 N	164 33.4 W	20BON	QTowF	Hopcroft sample, DBO4
2016-09-13	19:28	33	1	BON015	38	71 52.34 N	164 33.4 W	20BON	QTowF	Hopcroft sample, DBO4

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2016-09-13	19:28	33	1	BON015	38	71 52.34 N	164 33.4 W	60BON	Discard	Hopcroft sample, DBO4
2016-09-13	19:28	33	1	BON015	38	71 52.34 N	164 33.4 W	CAT	CAT	Hopcroft sample, DBO4
2016-09-13	19:41	33	2	CTD033	38	71 52.39 N	164 33.29 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2013-09-19	21:01	34	1	BON016	39	71 59.77 N	164 57.13 W	60BON	QTowF	Hopcroft sample, DBO4
2013-09-19	21:01	34	1	BON016	39	71 59.77 N	164 57.13 W	60BON		Hopcroft sample, DBO4
2013-09-19	21:01	34	1	BON016	39	71 59.77 N	164 57.13 W	20BON	QTowF	Hopcroft sample, DBO4
2013-09-19	21:01	34	1	BON016	39	71 59.77 N	164 57.13 W	20BON	QTowF	Hopcroft sample, DBO4
2013-09-19	21:01	34	1	BON016	39	71 59.77 N	164 57.13 W	CAT	CAT	Hopcroft sample, DBO4
2016-09-13	21:14	34	2	CTD034	39	71 59.87 N	164 56.91 W	CTDB	PAR, CTD, Furuno, Chlor, Nut, oxygen, Fluor	
2016-09-14	01:11	35	3	CTD035	43	71 49.64 N	166 4.25 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor, Sal	Mooring 16CKP-3A Top/ADCP, SeaCat w fluor and PAR/Bottom
2016-09-14	02:52	36	1	SLED006	40	71 42.66 N	165 37.88 W	SLED	QTowF	Mooring 16CKIP-3A Top/ASL Ice instrument, RCM/OX/Turb, Microcat/Bottom
2016-09-14	02:52	36	1	SLED006	40	71 42.66 N	165 37.88 W	SLED	QTowF	Deployment 16CP-3A
2016-09-14	02:52	36	1	SLED006	40	71 42.66 N	165 37.88 W	LG-CB	QTowF	
2016-09-14	02:52	36	1	SLED006	40	71 42.66 N	165 37.88 W	CAT	CAT	
2016-09-14	03:09	36	2	CTD036	40	71 42.87 N	165 38.33 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-19	04:26	37	1	CTD037	41	71 35.87 N	165 17.49 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-14	05:52	38	1	SLED007	40	71 27.7 N	164 57.41 W	SLED	Discard	
2016-09-14	05:52	38	1	SLED007	40	71 27.7 N	164 57.41 W	SLED	Discard	
2016-09-14	05:52	38	1	SLED007	40	71 27.7 N	164 57.41 W	LG-CB	Discard	Nets did not trip due to tape on wire stopping messengers before tripping mechanism. No samples collected.
2016-09-14	05:52	38	1	SLED007	40	71 27.7 N	164 57.41 W	CAT	CAT	Nets did not trip due to tape on wire stopping messengers before tripping mechanism. No samples collected.
2016-09-14	06:05	38	2	SLED007_2	39	71 28.07 N	164 57.91 W	SLED	Discard	Nets did not trip due to tape on wire stopping messengers before tripping mechanism. No samples collected.
2016-09-14	06:05	38	2	SLED007_2	39	71 28.07 N	164 57.91 W	LG-CB	Discard	Nets did not trip due to tape on wire stopping messengers before hitting tripping mechanism. No samples collected.
2016-09-14	06:05	38	2	SLED007_2	39	71 28.07 N	164 57.91 W	SLED	Discard	Net 1 tow came off bottom about 3 m for about 30 seconds. No samples saved.
2016-09-14	06:05	38	2	SLED007_2	39	71 28.07 N	164 57.91 W	CAT	CAT	Net 1 tow came off bottom about 3 m for about 30 seconds. No samples saved.

Cruise Summary For FOCI Cruise AQ16-01 (AQ16-01)

Date (GMT)	Time (GMT)	Station	Haul	Alt. Station	Depth (m)	Latitude	Longitude	Gear	SamplesCollected	HaulComments
2016-09-14	06:27	38	2	CTD038	40	71 27.56 N	164 56.98 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor, Sal	Right to bottom.
2016-09-14	16:35	39	1	SLED008	40	71 27.76 N	164 57.65 W	SLED	QTowF	Repeat st. 38 (IC08)
2016-09-14	16:35	39	1	SLED008	40	71 27.76 N	164 57.65 W	SLED	QTowF	
2016-09-14	16:35	39	1	SLED008	40	71 27.76 N	164 57.65 W	LG-CB	QTowF	
2016-09-14	16:35	39	1	SLED008	40	71 27.76 N	164 57.65 W	CAT	CAT	
2016-09-19	16:48	39	2	CTD039	40	71 27.87 N	164 58.31 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	Repeat st. 38 (IC08)
2016-09-14	18:12	40	1	CTD040	42	71 20.4 N	164 36.15 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-14	23:11	41	7	SLED009	41	71 14.29 N	164 15.3 W	SLED	Discard	DBO4 Net 1 came off bottm about 3m for >30 seconds fo the tows contents were discarded and redone.
2016-09-14	23:11	41	7	SLED009	41	71 14.29 N	164 15.3 W	SLED	Discard	DBO4 Net 1 came off bottm about 3m for >30 seconds fo the tows contents were discarded and redone.
2016-09-14	23:11	41	7	SLED009	41	71 14.29 N	164 15.3 W	CAT	CAT	DBO4 Net 1 came off bottm about 3m for >30 seconds fo the tows contents were discarded and redone.
2016-09-14	23:11	41	7	SLED009	41	71 14.29 N	164 15.3 W	LG-CB	Discard	DBO4 Net 1 came off bottm about 3m for >30 seconds fo the tows contents were discarded and redone.
2016-09-14	23:43	41	8	CTD041	41	71 13.7 N	164 13.1 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	DBO4
2016-09-15	00:05	41	9	SLED010	42	71 14.73 N	164 14.74 W	SLED	Discard	DBO4 Codend on net 1 broken when retrieved and sample lost. Other samples discarded. Tow, however was good.

Cruise Summary For FOCI Cruise AQ16-01 (AQ16-01)

Date (GMT)	Time (GMT)	Station	Haul	Alt. Station	Depth (m)	Latitude	Longitude	Gear	SamplesCollected	HaulComments
2016-09-15	00:05	41	9	SLED010	42	71 14.73 N	164 14.74 W	SLED	Discard	DBO4 Codend on net 1 broken when retrieved and sample lost. Other samples discarded. Tow, however was good.
2016-09-15	00:05	41	9	SLED010	42	71 14.73 N	164 14.74 W	LG-CB	Discard	DBO4 Codend on net 1 broken when retrieved and sample lost. Other samples discarded. Tow, however was good.
2016-09-15	00:05	41	9	SLED010	42	71 14.73 N	164 14.74 W	CAT	CAT	DBO4 Codend on net 1 broken when retrieved and sample lost. Other samples discarded. Tow, however was good.
2016-09-15	16:32	42	1	SLED11	41	71 13.93 N	164 14.12 W	SLED	QTowF	1 Chrysaora melanaster about 16 cm discarded from net 2 sample.
2016-09-15	16:32	42	1	SLED11	41	71 13.93 N	164 14.12 W	CAT	CAT	1 Chrysaora melanaster about 16 cm discarded from net 2 sample.
2016-09-15	16:32	42	1	SLED11	41	71 13.93 N	164 14.12 W	LG-CB	QTowF	1 Chrysaora melanaster about 16 cm discarded from net 2 sample.
2016-09-15	16:32	42	1	SLED11	41	71 13.93 N	164 14.12 W	SLED	QTowF	1 Chrysaora melanaster about 16 cm discarded from net 2 sample.
2016-09-15	16:48	42	2	CTD042	41	71 13.87 N	164 15.17 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	DBO4
2016-09-15	16:32	43	1	CTD043	41	71 5.99 N	163 53.75 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	About 1m off bottom.
2016-09-05	19:39	44	1	SLED012	44	70 58.02 N	163 32.32 W	LG-CB	Discard	DBO4 Net 2 did not open. No samples saved
2016-09-05	19:39	44	1	SLED012	44	70 58.02 N	163 32.32 W	SLED	Discard	DBO4 Net 2 did not open. No samples saved
2016-09-05	19:39	44	1	SLED012	44	70 58.02 N	163 32.32 W	SLED	Discard	DBO4 Net 2 did not open. No samples saved
2016-09-05	19:39	44	1	SLED012	44	70 58.02 N	163 32.32 W	CAT	CAT	DBO4 Net 2 did not open. No samples saved
2016-09-15	19:56	44	2	CTD044	48	70 57.84 N	163 32.27 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	DBO4
2016-09-15	20:23	44	3	SLED013	43	70 57.44 N	163 32.47 W	SLED	QTowF	DBO4
2016-09-15	20:23	44	3	SLED013	43	70 57.44 N	163 32.47 W	SLED	QTowF	DBO4
2016-09-15	20:23	44	3	SLED013	43	70 57.44 N	163 32.47 W	LG-CB	QTowF	DBO4
2016-09-15	20:23	44	3	SLED013	43	70 57.44 N	163 32.47 W	CAT	CAT	DBO4
2016-09-05	23:50	45	5	CTD045	43	70 50.1 N	163 7.76 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	CKP-1A recovery/deployment cast DBO4
2016-09-16	00:30	45	6	SLED014	43	70 50.61 N	163 10.52 W	SLED	QTowF	DBO4
2016-09-16	00:30	45	6	SLED014	43	70 50.61 N	163 10.52 W	LG-CB	QTowF	DBO4

Cruise Summary For FOCI Cruise AQ16-01 (AQ16-01)

Date (GMT)	Time (GMT)	Station	Haul	Alt. Station	Depth (m)	Latitude	Longitude	Gear	SamplesCollected	HaulComments
2016-09-16	00:30	45	6	SLED014	43	70 50.61 N	163 10.52 W	CAT	CAT	DBO4
2016-09-16	00:30	45	6	SLED014	43	70 50.61 N	163 10.52 W	SLED	QTowF	DBO4
2016-09-16	00:46	45	7	SATBUO Y01	43	70 50.89 N	163 11.19 W	SATBUO Y	Deploy	DBO4 Serial # 136872
2016-09-16	02:06	46	1	SLED015	41	70 42.76 N	162 52.96 W	SLED	QTowF	Sample count for net 2 is uncertain.
2016-09-16	02:06	46	1	SLED015	41	70 42.76 N	162 52.96 W	SLED	QTowF	Sample count for net 2 is uncertain.
2016-09-16	02:06	46	1	SLED015	41	70 42.76 N	162 52.96 W	LG-CB	QTowF	Sample count for net 2 is uncertain.
2016-09-16	02:06	46	1	SLED015	41	70 42.76 N	162 52.96 W	CAT	CAT	Sample count for net 2 is uncertain.
2016-09-16	02:17	46	2	CTD046	41	70 42.53 N	162 52.63 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-16	03:41	47	1	CTD047	38	70 35.94 N	162 35.85 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-16	05:17	48	1	SLED016	20	70 26.01 N	162 12.61 W	SLED	QTowF	
2016-09-16	05:17	48	1	SLED016	20	70 26.01 N	162 12.61 W	SLED	QTowF	
2016-09-16	05:17	48	1	SLED016	20	70 26.01 N	162 12.61 W	LG-CB	QTowF	
2016-09-16	05:17	48	1	SLED016	20	70 26.01 N	162 12.61 W	CAT	CAT	
2016-09-16	05:28	48	2	CTD048	20	70 26.04 N	162 11.78 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-16	16:40	49	1	SLED017	17	70 9.27 N	162 47.36 W	SLED	QTowF	Numerous small copepods. 1 Chrysapora melanster about 8 cm removed and discarded from net 2.
2016-09-16	16:40	49	1	SLED017	17	70 9.27 N	162 47.36 W	SLED	QTowF	Numerous small copepods. 1 Chrysapora melanster about 8 cm removed and discarded from net 2.
2016-09-16	16:40	49	1	SLED017	17	70 9.27 N	162 47.36 W	LG-CB	QTowF	Numerous small copepods. 1 Chrysapora melanster about 8 cm removed and discarded from net 2.
2016-09-16	16:40	49	1	SLED017	17	70 9.27 N	162 47.36 W	CAT	CAT	Numerous small copepods. 1 Chrysapora melanster about 8 cm removed and discarded from net 2.
2016-09-16	16:54	49	2	CTD049	16	70 9.23 N	162 47.73 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-16	18:41	50	1	SLED018	25	70 13.74 N	163 10.96 W	SLED	QTowF	
2016-09-16	18:41	50	1	SLED018	25	70 13.74 N	163 10.96 W	SLED	QTowF	
2016-09-16	18:41	50	1	SLED018	25	70 13.74 N	163 10.96 W	LG-CB	QTowF	
2016-09-16	18:41	50	1	SLED018	25	70 13.74 N	163 10.96 W	CAT	CAT	
2016-09-16	18:56	50	2	CTD050	25	70 13.32 N	163 11.35 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-10-07	20:45	51	1	SLED019	33	70 21.06 N	163 31.48 W	SLED	Discard	Net 2 did not trip, chain wrapped around wire. Release ring on chain bent.1 Boreogadus found in discarded sample and preserved in ETOH.
2016-10-07	20:45	51	1	SLED019	33	70 21.06 N	163 31.48 W	SLED	Discard	Net 2 did not trip, chain wrapped around wire. Release ring on chain bent.1 Boreogadus found in discarded sample and preserved in ETOH.

Cruise Summary For FOCI Cruise AQ16-01 (AQ16-01)

Date (GMT)	Time (GMT)	Station	Haul	Alt. Station	Depth (m)	Latitude	Longitude	Gear	SamplesCollected	HaulComments
2016-10-07	20:45	51	1	SLED019	33	70 21.06 N	163 31.48 W	CAT	CAT	Net 2 did not trip, chain wrapped around wire. Release ring on chain bent.1 Boreogadus found in discarded sample and preserved in ETOH.
2016-10-07	20:45	51	1	SLED019	33	70 21.06 N	163 31.48 W	LG-CB	Discard	Net 2 did not trip, chain wrapped around wire. Release ring on chain bent.1 Boreogadus found in discarded sample and preserved in ETOH.
2016-09-16	21:03	51	2	CTD051	32	70 21.02 N	163 32.66 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-16	21:31	51	3	SLED020	32	70 21.27 N	163 34.18 W	SLED	Discard	Ne2 2 did not trip, too much jerking on wire in rough seas. Release ring on chain bent again!... Sample from net 1 saved for qualatative purposes.
2016-09-16	21:31	51	3	SLED020	32	70 21.27 N	163 34.18 W	SLED	Discard	Ne2 2 did not trip, too much jerking on wire in rough seas. Release ring on chain bent again!... Sample from net 1 saved for qualatative purposes.
2016-09-16	21:31	51	3	SLED020	32	70 21.27 N	163 34.18 W	LG-CB	Discard	Ne2 2 did not trip, too much jerking on wire in rough seas. Release ring on chain bent again!... Sample from net 1 saved for qualatative purposes.
2016-09-16	21:31	51	3	SLED020	32	70 21.27 N	163 34.18 W	CAT	CAT	Ne2 2 did not trip, too much jerking on wire in rough seas. Release ring on chain bent again!... Sample from net 1 saved for qualatative purposes.
2016-09-17	00:12	52	1	BON017	43	70 32.7 N	164 11.96 W	20BON	QTowF	Tow for Russ Hopcroft
2016-09-17	00:12	52	1	BON017	43	70 32.7 N	164 11.96 W	20BON	QTowF	Tow for Russ Hopcroft
2016-09-17	00:12	52	1	BON017	43	70 32.7 N	164 11.96 W	60BON	QTowF	Tow for Russ Hopcroft
2016-09-17	00:12	52	1	BON017	43	70 32.7 N	164 11.96 W	60BON	Discard	Tow for Russ Hopcroft
2016-09-17	00:12	52	1	BON017	43	70 32.7 N	164 11.96 W	CAT	CAT	Tow for Russ Hopcroft
2016-09-17	00:23	52	2	CTD052	42	70 32.76 N	164 12.46 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-17	02:27	53	1	SLED021	43	70 41.02 N	164 43.31 W	SLED	Discard	Net 2 did not open, samples discarded.
2016-09-17	02:27	53	1	SLED021	43	70 41.02 N	164 43.31 W	SLED	Discard	Net 2 did not open, samples discarded.
2016-09-17	02:27	53	1	SLED021	43	70 41.02 N	164 43.31 W	LG-CB	Discard	Net 2 did not open, samples discarded.
2016-09-17	02:27	53	1	SLED021	43	70 41.02 N	164 43.31 W	CAT	CAT	Net 2 did not open, samples discarded.
2016-09-17	02:46	53	2	CTD053	43	70 41.2 N	164 44.82 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-17	03:22	53	3	SLED022	43	70 41.23 N	164 45.47 W	CAT	CAT	Net 2 did not open, samples discarded.
2016-09-17	03:22	53	3	SLED022	43	70 41.23 N	164 45.47 W	LG-CB	Discard	Net 2 did not open, samples discarded.
2016-09-17	03:22	53	3	SLED022	43	70 41.23 N	164 45.47 W	SLED	Discard	Net 2 did not open, samples discarded.
2016-09-17	03:22	53	3	SLED022	43	70 41.23 N	164 45.47 W	SLED	Discard	Net 2 did not open, samples discarded.

Cruise Summary For FOCI Cruise AQ16-01 (AQ16-01)

Date (GMT)	Time (GMT)	Station	Haul	Alt. Station	Depth (m)	Latitude	Longitude	Gear	SamplesCollected	HaulComments
2016-09-17	04:48	53	4	SLED023	44	70 41.41 N	164 39.43 W	SLED	QTowF	1- Cyanea (10 cm) and 2- Chrysaora (10, 12 cm) removed from net 2 sample.
2016-09-17	04:48	53	4	SLED023	44	70 41.41 N	164 39.43 W	SLED	QTowF	1- Cyanea (10 cm) and 2- Chrysaora (10, 12 cm) removed from net 2 sample.
2016-09-17	04:48	53	4	SLED023	44	70 41.41 N	164 39.43 W	LG-CB	QTowF	1- Cyanea (10 cm) and 2- Chrysaora (10, 12 cm) removed from net 2 sample.
2016-09-17	04:48	53	4	SLED023	44	70 41.41 N	164 39.43 W	CAT	CAT	1- Cyanea (10 cm) and 2- Chrysaora (10, 12 cm) removed from net 2 sample.
2016-09-17	07:03	54	1	BON018	40	70 49.09 N	165 16.7 W	60BON	QTowF	Samples for Russ Hopcroft.
2016-09-17	07:03	54	1	BON018	40	70 49.09 N	165 16.7 W	20BON	QTowF	Samples for Russ Hopcroft.
2016-09-17	07:03	54	1	BON018	40	70 49.09 N	165 16.7 W	CAT	CAT	Samples for Russ Hopcroft.
2016-09-17	07:03	54	1	BON018	40	70 49.09 N	165 16.7 W	20BON	QTowF	Samples for Russ Hopcroft.
2016-09-17	07:03	54	1	BON018	40	70 49.09 N	165 16.7 W	60BON	Discard	Samples for Russ Hopcroft.
2016-09-17	07:15	54	2	CTD054	41	70 49.12 N	165 17.24 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-17	09:16	55	1	SLED024	41	70 53.47 N	165 43.22 W	SLED	QTowF	Nice haul!
2016-09-17	09:16	55	1	SLED024	41	70 53.47 N	165 43.22 W	CAT	CAT	Nice haul!
2016-09-17	09:16	55	1	SLED024	41	70 53.47 N	165 43.22 W	LG-CB	QTowF	Nice haul!
2016-09-17	09:16	55	1	SLED024	41	70 53.47 N	165 43.22 W	SLED	QTowF	Nice haul!
2016-09-17	09:33	55	2	CTD055	42	70 57.54 N	165 43.93 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	
2016-09-19	14:22	56	3	CTD056	46	70 0.92 N	166 50.86 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	CTD cast for mooring deployments. Both oxygen sensors bad.
2016-09-19	17:36	57	1	MOOR021	47	70 12.65 N	167 47.24 W	MOOR	Deploy	Mooring # 16CKP-10A Top/ADCP, SeaCat w Fluor/Bottom
2016-09-19	17:41	57	2	CTD057	48	70 12.78 N	167 47.49 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor, Sal	0 m bottle did not trip. 10m bottle is likely 0 m.
2016-09-20	00:18	58	1	SLED025	32	68 18.07 N	166 56.29 W	SLED	QTowF	Net 1 came off bottom 2-3 m for 10 seconds. DBO3
2016-09-20	00:18	58	1	SLED025	32	68 18.07 N	166 56.29 W	SLED	QTowF	Net 1 came off bottom 2-3 m for 10 seconds. DBO3
2016-09-20	00:18	58	1	SLED025	32	68 18.07 N	166 56.29 W	LG-CB	QTowF	Net 1 came off bottom 2-3 m for 10 seconds. DBO3
2016-09-20	00:18	58	1	SLED025	32	68 18.07 N	166 56.29 W	CAT	CAT	Net 1 came off bottom 2-3 m for 10 seconds. DBO3
2016-09-21	00:34	58	2	CTD058	39	68 17.27 N	166 56.59 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	oxygen sensor still bad. 0m bottle did not trip. DBO3

Cruise Summary For FOCI Cruise AQ16-01 (AQ16-01)

Date (GMT)	Time (GMT)	Station	Haul	Alt. Station	Depth (m)	Latitude	Longitude	Gear	SamplesCollected	HaulComments
2016-09-21	01:28	59	1	CTD059	43	68 14.7 N	167 6.92 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	DBO3
2016-09-21	02:34	60	1	SLED026	46	68 11.08 N	167 18.52 W	SLED	QTowF	DBO3 3 - Chrysaora melanaster 15, 15, 22, cm removed from net, rinsed and discarded. >100 line scan errors in FastCat file.
2016-09-21	02:34	60	1	SLED026	46	68 11.08 N	167 18.52 W	SLED	QTowF	DBO3 3 - Chrysaora melanaster 15, 15, 22, cm removed from net, rinsed and discarded. >100 line scan errors in FastCat file.
2016-09-21	02:34	60	1	SLED026	46	68 11.08 N	167 18.52 W	LG-CB	QTowF	DBO3 3 - Chrysaora melanaster 15, 15, 22, cm removed from net, rinsed and discarded. >100 line scan errors in FastCat file.
2016-09-21	02:34	60	1	SLED026	46	68 11.08 N	167 18.52 W	CAT	CAT	DBO3 3 - Chrysaora melanaster 15, 15, 22, cm removed from net, rinsed and discarded. >100 line scan errors in FastCat file.
2016-09-21	02:54	60	2	CTD060	47	68 10.75 N	167 19.05 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	DBO3
2016-09-21	03:45	61	1	CTD061	49	68 7.76 N	167 29.72 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	DBO3
2016-09-21	05:20	62	1	SLED027	51	68 0.73 N	167 52.21 W	SLED	QTowF	DBO3 3- Chrysaore melanaster 15, 21, 23 cm rinsed and discarded from net 2. About 400 scan errors on FastCat file.
2016-09-21	05:20	62	1	SLED027	51	68 0.73 N	167 52.21 W	SLED	QTowF	DBO3 3- Chrysaore melanaster 15, 21, 23 cm rinsed and discarded from net 2. About 400 scan errors on FastCat file.
2016-09-21	05:20	62	1	SLED027	51	68 0.73 N	167 52.21 W	LG-CB	QTowF	DBO3 3- Chrysaore melanaster 15, 21, 23 cm rinsed and discarded from net 2. About 400 scan errors on FastCat file.
2016-09-21	05:20	62	1	SLED027	51	68 0.73 N	167 52.21 W	CAT	CAT	DBO3 3- Chrysaore melanaster 15, 21, 23 cm rinsed and discarded from net 2. About 400 scan errors on FastCat file.
2016-09-21	05:40	62	2	CTD062	51	68 0.27 N	167 52.33 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	DBO3
2016-09-21	07:04	63	1	MOOR02 2	58	67 54.67 N	168 11.69 W	MOOR	Deploy	DBO3 Mooring # 16CKP-12A Top/ADCP, AWCP, PAL, RCM-9 w Ox&T/Bottom
2016-09-21	07:13	63	2	CTD063	57	67 54.72 N	168 12.08 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	DBO3
2016-09-21	07:35	63	3	SLED028	56	67 54.03 N	168 11.0 W	SLED	Discard	DBO3 Net 2 did not open. Net 1 preserved for educational/outreach purposes. FastCat failed to log data until near bottom.
2016-09-21	07:35	63	3	SLED028	56	67 54.03 N	168 11.0 W	SLED		DBO3 Net 2 did not open. Net 1 preserved for educational/outreach purposes. FastCat failed to log data until near bottom.
2016-09-21	07:35	63	3	SLED028	56	67 54.03 N	168 11.0 W	LG-CB	Discard	DBO3 Net 2 did not open. Net 1 preserved for educational/outreach purposes. FastCat failed to log data until near bottom.

Cruise Summary For FOCI Cruise AQ16-01 (AQ16-01)

Date (GMT)	Time (GMT)	Station	Haul	Alt. Station	Depth (m)	Latitude	Longitude	Gear	SamplesCollected	HaulComments
2016-09-21	07:35	63	3	SLED028	56	67 54.03 N	168 11.0 W	CAT	CAT	DBO3 Net 2 did not open. Net 1 preserved for educational/outreach purposes. FastCat failed to log data until near bottom.
2016-09-21	10:13	64	1	SLED029	48	67 46.74 N	168 35.9 W	SLED	QTowF	DBO3 1 - Cyanea 16 cm discarded from net 2. FastCat cut out until 10 m then other times during tow.
2016-09-21	10:13	64	1	SLED029	48	67 46.74 N	168 35.9 W	CAT	CAT	DBO3 1 - Cyanea 16 cm discarded from net 2. FastCat cut out until 10 m then other times during tow.
2016-09-21	10:13	64	1	SLED029	48	67 46.74 N	168 35.9 W	LG-CB	QTowF	DBO3 1 - Cyanea 16 cm discarded from net 2. FastCat cut out until 10 m then other times during tow.
2016-09-21	10:13	64	1	SLED029	48	67 46.74 N	168 35.9 W	SLED	QTowF	DBO3 1 - Cyanea 16 cm discarded from net 2. FastCat cut out until 10 m then other times during tow.
2016-09-21	10:29	64	2	CTD064	49	67 46.48 N	168 35.68 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	DBO3
2016-09-21	12:02	65	1	SLED030	49	67 40.01 N	168 57.29 W	CAT	CAT	No FastCat until near bottom (likely a termination problem). 2-Chrysaora melanaster 30, 38 cm and 2- Cyanea 13, 15 cm discarded from net 2. . Net likely clogged.
2016-09-21	12:02	65	1	SLED030	49	67 40.01 N	168 57.29 W	SLED	QTowF	No FastCat until near bottom (likely a termination problem). 2-Chrysaora melanaster 30, 38 cm and 2- Cyanea 13, 15 cm discarded from net 2. . Net likely clogged.
2016-09-21	12:02	65	1	SLED030	49	67 40.01 N	168 57.29 W	LG-CB	QTowF	No FastCat until near bottom (likely a termination problem). 2-Chrysaora melanaster 30, 38 cm and 2- Cyanea 13, 15 cm discarded from net 2. . Net likely clogged.
2016-09-21	12:02	65	1	SLED030	49	67 40.01 N	168 57.29 W	SLED	QTowF	DBO3 No FastCat until near bottom (likely a termination problem). 2-Chrysaora melanaster 30, 38 cm and 2- Cyanea 13, 15 cm discarded from net 2. . Net likely clogged. Number of jars for net 2 uncertain.
2016-09-21	12:25	65	2	CTD065	50	67 39.76 N	168 55.91 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	DBO3
2016-09-26	01:41	66	3	CTD066	73	62 11.78 N	174 41.54 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	Cast for recovery/deployment of 15,16 BS-8A. Two additional oxygen samples collected at 70 m for Dan Naber, UAF (#109, 113)

Cruise Summary For FOCI Cruise AQ16-01 (AQ16-01)

Date (GMT)	Time (GMT)	Station	Haul	Alt. Station	Depth (m)	Latitude	Longitude	Gear	SamplesCollected	HaulComments
2017-09-26	22:29	67	3	CTD067	68	59 54.63 N	171 44.32 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	Cast for BS-5A recovery/deployment.
2016-09-27	19:46	68	1	CTD068	68	57 47.34 N	168 53.65 W	CTDB	Sal	Recover wave glider near BS4 moorings. Three oxygen samples tken for UAF at 1m depto.
2016-09-27	23:22	69	5	CTD069	69	57 53.7 N	168 52.87 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor, Sal	Cast for BS4 mooring recoveries/deployments
2016-09-29	00:57	70	3	CTD070	71	56 56.38 N	163 55.15 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor	Cast for recovery of BS2-PITAE
2016-10-11	04:18	71	5	CTD071	70	56 52.16 N	164 3.09 W	CTDB	PAR, CTD, Chlor, Nut, oxygen, Fluor, Sal	Cast for 16BSP-2A, 16BSM-2A/16BSP-2B,16BS-2C Two additional salinity bottles collected at 67 m for UAF (#28, 41).