

CRUISE REPORT

Cruise Number: DY-10-05

FOCI Number: 3DY10

Ship:

NOAA Ship Oscar Dyson

Area of Operations:

Gulf of Alaska

Itinerary:

Date depart / port: May 21, 2000 / Dutch Harbor, AK

Date arrive / port: June 1, 2000 / Kodiak, AK

Participating organizations:

NOAA - Alaska Fisheries Science Center (AFSC)

Chief Scientist:

Annette Dougherty

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Personnel:

Kevin Bailey

M / AFSC

Steve Porter

M / AFSC

Laura Rodriguez

F / Teacher at Sea

Tiffany Vance

F / AFSC

Cruise Objectives:

The objectives of this cruise were to conduct an ichthyoplankton survey and process oriented studies in the region between the Shumagin Islands and Shelikof Strait so that we could estimate the abundance, transport, and environmental factors influencing the survival of young walleye pollock larvae. Fresh standard length measurements were obtained at each station where larval pollock occurred to supply data for a larval survival index. Standard sampling protocols were used at 6 of the Line 8 stations to continue the historical database for this area.

Summary of Operations:

Operation

20cm bongo (20BON)
60cm bongo (60BON)
Seabird SEACAT CTD (CAT)
CTD with bottle samples (CTDB)

Tows

6
169
169
16

Samples Collected

SeaBird SEACAT CTD (CAT)
Chlorophyll samples collected during CTD casts (Chlor)
SeaBird CTD (CTD)
Stimulated fluorescence collected during CTD casts (Fluor)
Number of larvae measured (L-Meas)

Tows Number

170
5 30
16
16
69 991

Larval pollock collected for otolith analysis (L-Oto)	118	2774
Microzooplankton samples preserved in formalin (MZ)	4	24
Nutrient samples collected from CTD casts (Nut)	11	65
Any other sample type (must explain in haul comments) (Other)	14	101
Photosynthetically Active Radiation data collected during CTD casts (PAR)	16	
Quantitative tow preserved in formalin (QTowF)	174	178
Rough count of pollock larvae (RCountL)	157	5905

Summary of Cruise:

Narrative:

We departed Dutch Harbor as schedule on May 21 and arrived at our first station above the Shumagin Islands at approximately 2300 on May 22. Due to mild weather conditions we completed a total of 163 stations, including Line 8. Larval walleye pollock numbers were observed to be higher than previous years resulting in rough counts in the hundreds at several stations with very few stations having zero counts. Operations went very smoothly due to the teamwork between the scientists, officers, and crew.

Days Lost to Weather:

None

Days Lost to Equipment Failure:

None

Recommendations:

None

Acknowledgments:

The scientific party would like to acknowledge the hard work and support of the officers and crew of the Oscar Dyson.

Attachments:

Table 1. Cruise Summary

Cruise Summary For FOCI Cruise 3DY10 (DY-10-05)

Date (GMT)	Time (GMT)	Station	Hau	FOCI Grid	Alternate Station	Depth (m)	Latitude	Longitude	Gear
22-May-10	23:47	1	1	HB135	BON001	98	54 50.46 N	158 42.65 W	60BON QTowF, RCountL
22-May-10	23:47	1	1	HB135	BON001	98	54 50.46 N	158 42.65 W	CAT CAT
23-May-10	0:13	1	2	HB135	CTD001	101	54 50.14 N	158 41.85 W	CTDB CTD, Fluor, PAR
23-May-10	1:36	2	1	GZ135	BON002	88	54 57.22 N	158 55.95 W	60BON QTowF, RCountL
23-May-10	1:36	2	1	GZ135	BON002	88	54 57.22 N	158 55.95 W	CAT CAT
23-May-10	2:48	3	1	GX135	BON003	75	55 04.14 N	159 09.22 W	60BON QTowF, RCountL
23-May-10	2:48	3	1	GX135	BON003	75	55 04.14 N	159 09.22 W	CAT CAT
23-May-10	5:15	4	1	GT135	BON004	133	55 17.90 N	159 36.96 W	60BON L-Oto, QTowF, RCountL
23-May-10	5:15	4	1	GT135	BON004	133	55 17.90 N	159 36.96 W	CAT CAT
23-May-10	6:31	5	1	GR135	BON005	114	55 24.80 N	159 50.99 W	60BON QTowF, RCountL
23-May-10	6:31	5	1	GR135	BON005	114	55 24.80 N	159 50.99 W	CAT CAT
23-May-10	7:55	6	1	GP135	BON006	116	55 31.75 N	160 04.60 W	60BON L-Oto, QTowF, RCountL
23-May-10	7:55	6	1	GP135	BON006	116	55 31.75 N	160 04.60 W	CAT CAT
23-May-10	10:41	7	1	GT139	BON007	99	55 32.40 N	159 12.95 W	60BON QTowF, RCountL
23-May-10	10:41	7	1	GT139	BON007	99	55 32.40 N	159 12.95 W	CAT CAT
23-May-10	11:50	8	1	GV139	BON008	160	55 25.49 N	158 59.09 W	60BON QTowF, RCountL
23-May-10	11:50	8	1	GV139	BON008	160	55 25.49 N	158 59.09 W	CAT CAT
23-May-10	13:02	9	1	GX139	BON009	184	55 18.64 N	158 45.41 W	60BON QTowF, RCountL
23-May-10	13:02	9	1	GX139	BON009	184	55 18.64 N	158 45.41 W	CAT CAT
23-May-10	14:18	10	1	GZ139	BON010	199	55 11.76 N	158 31.53 W	60BON L-Oto, QTowF, RCountL

23-May-10	14:18	10	1	GZ139	BON010	199	55 11.76 N	158 31.53 W	CAT	CAT
23-May-10	15:36	11	1	HB139	BON11	174	55 04.97 N	158 17.98 W	60BON	QTowF, RCountL
23-May-10	15:36	11	1	HB139	BON11	174	55 04.97 N	158 17.98 W	CAT	CAT
23-May-10	17:43	12	1	HB143	BON012	84	55 19.43 N	157 53.52 W	60BON	L-Oto, QTowF,
RCountL										
23-May-10	17:43	12	1	HB143	BON012	84	55 19.43 N	157 53.52 W	CAT	CAT
23-May-10	18:49	13	1	GZ143	BON013	124	55 26.30 N	158 06.91 W	60BON	QTowF, RCountL
23-May-10	18:49	13	1	GZ143	BON013	124	55 26.30 N	158 06.91 W	CAT	CAT
23-May-10	20:01	14	1	GX143	BON014	143	55 33.13 N	158 20.59 W	60BON	QTowF, RCountL
23-May-10	20:01	14	1	GX143	BON014	143	55 33.13 N	158 20.59 W	CAT	CAT
23-May-10	21:13	15	1	GV143	BON015	119	55 40.06 N	158 34.27 W	60BON	L-Oto, QTowF,
RCountL										
23-May-10	21:13	15	1	GV143	BON015	119	55 40.06 N	158 34.27 W	CAT	CAT
23-May-10	23:20	16	1	GV147	BON016	180	55 54.53 N	158 09.94 W	60BON	L-Oto, QTowF,
RCountL										
23-May-10	23:20	16	1	GV147	BON016	180	55 54.53 N	158 09.94 W	CAT	CAT
23-May-10	0:28	17	1	GX147	BON017	117	55 47.85 N	157 57.19 W	60BON	L-Oto, QTowF,
RCountL										
24-May-10	0:28	17	1	GX147	BON017	117	55 47.85 N	157 57.19 W	CAT	CAT
24-May-10	1:40	18	1	GZ147	BON018	136	55 40.96 N	157 43.32 W	60BON	L-Oto, QTowF,
RCountL										
24-May-10	1:40	18	1	GZ147	BON018	136	55 40.96 N	157 43.32 W	CAT	CAT
24-May-10	2:53	19	1	HB147	BON019	99	55 33.88 N	157 29.61 W	60BON	QTowF, RCountL
24-May-10	2:53	19	1	HB147	BON019	99	55 33.88 N	157 29.61 W	CAT	CAT

Monday, June 07, 2010

Cruise Summary For FOCI Cruise 3DY10 (DY-10-05)

Date (GMT)	Time (GMT)	Station	Hau	FOCI Grid	Alternate Station	Depth (m)	Latitude	Longitude	Gear
24-May-10	4:01	20	1	HD147	BON020	89	55 27.18 N	157 16.31 W	60BON L-Oto, QTowF, RCountL
24-May-10	4:01	20	1	HD147	BON020	89	55 27.18 N	157 16.31 W	CAT CAT
24-May-10	5:11	21	1	HF147	BON021	97	55 20.23 N	157 03.16 W	60BON L-Oto, QTowF, RCountL
24-May-10	5:11	21	1	HF147	BON021	97	55 20.23 N	157 03.16 W	CAT CAT
24-May-10	7:25	22	1	HH151	BON022	202	55 27.70 N	156 25.33 W	60BON L-Oto, QTowF, RCountL
24-May-10	7:25	22	1	HH151	BON022	202	55 27.70 N	156 25.33 W	CAT CAT
24-May-10	8:40	23	1	HF151	BON023	226	55 34.61 N	156 38.39 W	60BON L-Oto, QTowF, RCountL
24-May-10	8:40	23	1	HF151	BON023	226	55 34.61 N	156 38.39 W	CAT CAT
24-May-10	9:55	24	1	HD151	BON024	96	55 41.47 N	156 51.93 W	60BON L-Oto, QTowF, RCountL
24-May-10	9:55	24	1	HD151	BON024	96	55 41.47 N	156 51.93 W	60BON L-Oto, QTowF, RCountL
24-May-10	9:55	24	1	HD151	BON024	96	55 41.47 N	156 51.93 W	CAT CAT
24-May-10	11:04	25	1	HB151	BON025	96	55 48.26 N	157 05.46 W	60BON L-Oto, QTowF, RCountL
24-May-10	11:04	25	1	HB151	BON025	96	55 48.26 N	157 05.46 W	CAT CAT
24-May-10	11:26	25	2	HB151	CTD002	94	55 48.31 N	157 05.59 W	CTDB CTD, Fluor, PAR
24-May-10	12:43	26	1	GZ151	BON026	104	55 55.18 N	157 18.96 W	60BON L-Oto, QTowF, RCountL
24-May-10	12:43	26	1	GZ151	BON026	104	55 55.18 N	157 18.96 W	CAT CAT
24-May-10	13:53	27	1	GX151	BON027	115	56 01.91 N	157 31.62 W	60BON L-Oto, QTowF, RCountL
24-May-10	13:53	27	1	GX151	BON027	115	56 01.91 N	157 31.62 W	CAT CAT
24-May-10	15:02	28	1	GV151	BON028	135	56 08.88 N	157 45.09 W	60BON L-Oto, QTowF, RCountL
24-May-10	15:02	28	1	GV151	BON028	135	56 08.88 N	157 45.09 W	CAT CAT
24-May-10	16:11	29	1	GT151	BON030	80	56 15.74 N	157 58.49 W	60BON L-Oto, QTowF, RCountL
24-May-10	16:11	29	1	GT151	BON030	80	56 15.74 N	157 58.49 W	CAT CAT
24-May-10	17:36	30	1	GT153	BON030	294	56 23.25 N	157 46.52 W	60BON L-Meas, L-Oto, QTowF, RCountL
24-May-10	17:36	30	1	GT153	BON030	294	56 23.25 N	157 46.52 W	CAT CAT
24-May-10	18:55	31	1	GV153	BON031	133	56 16.29 N	157 32.81 W	60BON L-Meas, L-Oto, QTowF, RCountL
24-May-10	18:55	31	1	GV153	BON031	133	56 16.29 N	157 32.81 W	CAT CAT
24-May-10	20:09	32	1	GX153	BON032	152	56 09.40 N	157 19.59 W	60BON L-Meas, L-Oto, QTowF, RCountL
24-May-10	20:09	32	1	GX153	BON032	152	56 09.40 N	157 19.59 W	CAT CAT
24-May-10	21:24	33	1	GZ153	BON033	107	56 02.53 N	157 06.18 W	60BON L-Meas, L-Oto, QTowF, RCountL
24-May-10	21:24	33	1	GZ153	BON033	107	56 02.53 N	157 06.18 W	CAT CAT
25-May-10	22:38	34	1	HB153	BON034	155	55 55.69 N	156 52.87 W	60BON L-Meas, L-Oto, QTowF, RCountL
25-May-10	22:38	34	1	HB153	BON034	155	55 55.69 N	156 52.87 W	CAT CAT
24-May-10	23:52	35	1	HD153	BON035	225	55 48.44 N	156 39.20 W	60BON L-Meas, L-Oto, QTowF, RCountL
24-May-10	23:52	35	1	HD153	BON035	225	55 48.44 N	156 39.20 W	CAT CAT
25-May-10	1:04	36	1	HF153	BON036	240	55 41.78 N	156 26.23 W	60BON L-Meas, L-Oto, QTowF, RCountL

Monday, June 07, 2010

Cruise Summary For FOCI Cruise 3DY10 (DY-10-05)

Date (GMT)	Time (GMT)	Station	Hau	FOCI Grid	Alternate Station	Depth (m)	Latitude	Longitude	Gear	
25-May-10	1:04	36	1	HF153	BON036	240	55 41.78 N	156 26.23 W	CAT	CAT
25-May-10	2:11	37	1	HH153	BON037	249	55 35.10 N	156 12.97 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
25-May-10	2:11	37	1	HH153	BON037	249	55 35.10 N	156 12.97 W	CAT	CAT
25-May-10	2:37	37	2	HH153	CTD003	248	55 34.99 N	156 13.14 W	CTDB	CTD, Fluor, PAR
25-May-10	3:46	38	1	HH155	BON038	215	55 42.44 N	156 00.79 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
25-May-10	3:46	38	1	HH155	BON038	215	55 42.44 N	156 00.79 W	CAT	CAT
25-May-10	4:49	39	1	HF155	BON039	228	55 49.39 N	156 14.05 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
25-May-10	4:49	39	1	HF155	BON039	228	55 49.39 N	156 14.05 W	CAT	CAT
25-May-10	6:00	40	1	HF157	BON040	94	55 56.57 N	156 01.74 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
25-May-10	6:00	40	1	HF157	BON040	94	55 56.57 N	156 01.74 W	CAT	CAT
25-May-10	7:26	41	1	HD155	BON041	210	55 56.06 N	156 27.36 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
25-May-10	7:26	41	1	HD155	BON041	210	55 56.06 N	156 27.36 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
25-May-10	7:26	41	1	HD155	BON041	210	55 56.06 N	156 27.36 W	CAT	CAT
25-May-10	8:36	42	1	HD157	BON042	215	56 03.13 N	156 15.15 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
25-May-10	8:36	42	1	HD157	BON042	215	56 03.13 N	156 15.15 W	CAT	CAT
25-May-10	9:46	43	1	HB157	BON043	234	56 10.10 N	156 28.26 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
25-May-10	9:46	43	1	HB157	BON043	234	56 10.10 N	156 28.26 W	CAT	CAT
25-May-10	10:55	44	1	GZ157	BON044	109	56 17.14 N	156 41.45 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
25-May-10	10:55	44	1	GZ157	BON044	109	56 17.14 N	156 41.45 W	CAT	CAT
25-May-10	12:02	45	1	GZ155	BON045	77	56 09.85 N	156 53.92 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
25-May-10	12:02	45	1	GZ155	BON045	77	56 09.85 N	156 53.92 W	CAT	CAT
25-May-10	13:07	46	1	GX155	BON046	123	56 16.78 N	157 07.25 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
25-May-10	13:07	46	1	GX155	BON046	123	56 16.78 N	157 07.25 W	CAT	CAT
25-May-10	14:23	47	1	GX157	BON047	151	56 23.88 N	156 54.87 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
25-May-10	14:23	47	1	GX157	BON047	151	56 23.88 N	156 54.87 W	CAT	CAT
25-May-10	15:47	48	1	GV155	BON048	57	56 23.52 N	157 20.01 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
25-May-10	15:47	48	1	GV155	BON048	57	56 23.52 N	157 20.01 W	CAT	CAT
25-May-10	16:54	49	1	GT155	BON049	130	56 30.33 N	157 33.77 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
25-May-10	16:54	49	1	GT155	BON049	130	56 30.33 N	157 33.77 W	CAT	CAT
25-May-10	18:31	50	1	GU158	BON050	155	56 40.12 N	157 12.23 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
25-May-10	18:31	50	1	GU158	BON050	155	56 40.12 N	157 12.23 W	CAT	CAT
25-May-10	19:41	51	1	GV159	BON051	103	56 38.12 N	156 56.07 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
25-May-10	19:41	51	1	GV159	BON051	103	56 38.12 N	156 56.07 W	CAT	CAT
25-May-10	20:54	52	1	GX159	BON052	160	56 31.24 N	156 42.46 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
25-May-10	20:54	52	1	GX159	BON052	160	56 31.24 N	156 42.46 W	CAT	CAT
25-May-10	22:08	53	1	GZ159	BON053	216	56 24.39 N	156 29.27 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
25-May-10	22:08	53	1	GZ159	BON053	216	56 24.39 N	156 29.27 W	CAT	CAT
26-May-10	23:17	54	1	HB159	BON054	272	56 17.61 N	156 15.98 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	23:17	54	1	HB159	BON054	272	56 17.61 N	156 15.98 W	CAT	CAT

Monday, June 07, 2010

Cruise Summary For FOCI Cruise 3DY10 (DY-10-05)

Date (GMT)	Time (GMT)	Station	Hau	FOCI Grid	Alternate Station	Depth (m)	Latitude	Longitude	Gear	
26-May-10	0:25	55	1	HD159	BON055	230	56 10.54 N	156 02.53 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	0:25	55	1	HD159	BON055	230	56 10.54 N	156 02.53 W	CAT	CAT
26-May-10	1:32	56	1	HF159	BON056	66	56 03.62 N	155 49.50 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	1:32	56	1	HF159	BON056	66	56 03.62 N	155 49.50 W	CAT	CAT
26-May-10	1:50	56	2	HF159	CTD004	66	56 03.77 N	155 49.67 W	CTDB	CTD, Fluor, PAR
26-May-10	3:15	57	1	HD161	BON057	107	56 17.93 N	155 50.42 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	3:15	57	1	HD161	BON057	107	56 17.93 N	155 50.42 W	CAT	CAT
26-May-10	4:24	58	1	HB161	BON058	245	56 24.78 N	156 03.35 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	4:24	58	1	HB161	BON058	245	56 24.78 N	156 03.35 W	CAT	CAT
26-May-10	5:31	59	1	GZ161	BON059	232	56 31.58 N	156 16.63 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	5:31	59	1	GZ161	BON059	232	56 31.58 N	156 16.63 W	CAT	CAT
26-May-10	6:40	60	1	GX161	BON060	189	56 38.51 N	156 29.89 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	6:40	60	1	GX161	BON060	189	56 38.51 N	156 29.89 W	CAT	CAT
26-May-10	7:50	61	1	GV161	BON061	150	56 45.42 N	156 43.18 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	7:50	61	1	GV161	BON061	150	56 45.42 N	156 43.18 W	CAT	CAT
26-May-10	9:02	62	1	GV163	BON062	93	56 52.79 N	156 30.46 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	9:02	62	1	GV163	BON062	93	56 52.79 N	156 30.46 W	CAT	CAT
26-May-10	10:08	63	1	GX163	BON063	186	56 45.72 N	156 17.61 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	10:08	63	1	GX163	BON063	186	56 45.72 N	156 17.61 W	CAT	CAT
26-May-10	11:17	64	1	GZ163	BON064	296	56 38.80 N	156 04.19 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	11:17	64	1	GZ163	BON064	296	56 38.80 N	156 04.19 W	CAT	CAT
26-May-10	12:25	65	1	HB163	BON065	232	56 31.80 N	155 51.14 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	12:25	65	1	HB163	BON065	232	56 31.80 N	155 51.14 W	CAT	CAT
26-May-10	13:27	66	1	HD163	BON066	75	56 24.91 N	155 38.26 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	13:27	66	1	HD163	BON066	75	56 24.91 N	155 38.26 W	CAT	CAT
26-May-10	14:40	67	1	HD165	BON067	67	56 32.19 N	155 25.93 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	14:40	67	1	HD165	BON067	67	56 32.19 N	155 25.93 W	CAT	CAT
26-May-10	15:49	68	1	HB165	BON068	233	56 39.22 N	155 38.71 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	15:49	68	1	HB165	BON068	233	56 39.22 N	155 38.71 W	CAT	CAT
26-May-10	17:01	69	1	GZ165	BON069	293	56 46.06 N	155 52.03 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	17:01	69	1	GZ165	BON069	293	56 46.06 N	155 52.03 W	CAT	CAT
26-May-10	18:13	70	1	GX165	BON070	207	56 53.36 N	156 04.82 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	18:13	70	1	GX165	BON070	207	56 53.36 N	156 04.82 W	CAT	CAT
26-May-10	19:28	71	1	GV165	BON071	83	56 59.97 N	156 17.97 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	19:28	71	1	GV165	BON071	83	56 59.97 N	156 17.97 W	CAT	CAT
26-May-10	20:32	72	1	GV167	BON072	87	57 07.27 N	156 05.52 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	20:32	72	1	GV167	BON072	87	57 07.27 N	156 05.52 W	CAT	CAT

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Cruise Summary For FOCI Cruise 3DY10 (DY-10-05)

Date (GMT)	Time (GMT)	Station	Hau	FOCI Grid	Alternate Station	Depth (m)	Latitude	Longitude	Gear	
26-May-10	21:41	73	1	GX167	BON073	304	57 00.58 N	155 52.66 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	21:41	73	1	GX167	BON073	304	57 00.58 N	155 52.66 W	CAT	CAT
26-May-10	22:52	74	1	GZ167	BON074	283	56 53.62 N	155 39.76 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
26-May-10	22:52	74	1	GZ167	BON074	283	56 53.62 N	155 39.76 W	CAT	CAT
27-May-10	0:02	75	1	HB167	BON075	238	56 46.70 N	155 26.02 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
27-May-10	0:02	75	1	HB167	BON075	238	56 46.70 N	155 26.02 W	CAT	CAT
27-May-10	0:28	75	2	HB167	CTD005	235	56 46.52 N	155 25.39 W	CTDB	CTD, Fluor, PAR
27-May-10	1:46	76	1	HD167	BON076	73	56 39.57 N	155 13.10 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
27-May-10	1:46	76	1	HD167	BON076	73	56 39.57 N	155 13.10 W	CAT	CAT
27-May-10	2:51	77	1	HD169	BON077	68	56 46.82 N	155 00.46 W	60BON	QTowF, RCountL
27-May-10	2:51	77	1	HD169	BON077	68	56 46.82 N	155 00.46 W	CAT	CAT
27-May-10	4:00	78	1	HB169	BON070	218	56 53.71 N	155 13.47 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
27-May-10	4:00	78	1	HB169	BON070	218	56 53.71 N	155 13.47 W	CAT	CAT
27-May-10	5:08	79	1	GZ169	BON079	265	57 00.49 N	155 26.17 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
27-May-10	5:08	79	1	GZ169	BON079	265	57 00.49 N	155 26.17 W	CAT	CAT
27-May-10	6:20	80	1	GX169	BON080	276	57 07.64 N	155 39.79 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
27-May-10	6:20	80	1	GX169	BON080	276	57 07.64 N	155 39.79 W	CAT	CAT
27-May-10	7:24	81	1	GV169	BON081	244	57 14.24 N	155 52.55 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
27-May-10	7:24	81	1	GV169	BON081	244	57 14.24 N	155 52.55 W	CAT	CAT
27-May-10	8:25	82	1	GT169	BON082	36	57 21.14 N	156 05.14 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
27-May-10	8:25	82	1	GT169	BON082	36	57 21.14 N	156 05.14 W	CAT	CAT
27-May-10	9:35	83	1	GT171	BON083	119	57 26.93 N	155 45.84 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
27-May-10	9:35	83	1	GT171	BON083	119	57 26.93 N	155 45.84 W	CAT	CAT
27-May-10	10:26	84	1	GV171	BON084	282	57 21.74 N	155 40.04 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
27-May-10	10:26	84	1	GV171	BON084	282	57 21.74 N	155 40.04 W	CAT	CAT
27-May-10	11:36	85	1	GX171	BON085	262	57 14.87 N	155 26.98 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
27-May-10	11:36	85	1	GX171	BON085	262	57 14.87 N	155 26.98 W	CAT	CAT
27-May-10	12:44	86	1	GZ171	BON086	242	57 07.81 N	155 13.56 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
27-May-10	12:44	86	1	GZ171	BON086	242	57 07.81 N	155 13.56 W	CAT	CAT
27-May-10	13:49	87	1	HB171	BON087	158	57 01.06 N	155 01.42 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
27-May-10	13:49	87	1	HB171	BON087	158	57 01.06 N	155 01.42 W	CAT	CAT
27-May-10	14:58	88	1	HD171	BON088	80	56 54.18 N	154 48.35 W	60BON	QTowF, RCountL
27-May-10	14:58	88	1	HD171	BON088	80	56 54.18 N	154 48.35 W	CAT	CAT
27-May-10	16:05	89	1	HD173	BON089	24	57 01.12 N	154 35.54 W	60BON	QTowF, RCountL
27-May-10	16:05	89	1	HD173	BON089	24	57 01.12 N	154 35.54 W	CAT	CAT
27-May-10	17:06	90	1	HB173	BON090	75	57 08.24 N	154 48.06 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
27-May-10	17:06	90	1	HB173	BON090	75	57 08.24 N	154 48.06 W	CAT	CAT
27-May-10	18:15	91	1	GZ173	BON091	216	57 15.24 N	155 01.22 W	60BON	L-Meas, L-Oto,
QTowF, RCountL										
27-May-10	18:15	91	1	GZ173	BON091	216	57 15.24 N	155 01.22 W	CAT	CAT

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Cruise Summary For FOCI Cruise 3DY10 (DY-10-05)

Date (GMT)	Time (GMT)	Station	Hau	FOCI Grid	Alternate Station	Depth (m)	Latitude	Longitude	Gear	Samples Collected
27-May-10	19:37	92	1	GX173	BON092	242	57 22.01 N	155 13.72 W	60BON	L-Meas, L-Oto, QTowF, RCountL
27-May-10	19:37	92	1	GX173	BON092	242	57 22.01 N	155 13.72 W	CAT	CAT
27-May-10	20:51	93	1	GV173	BON093	294	57 28.81 N	155 27.17 W	60BON	L-Meas, L-Oto, QTowF, RCountL
27-May-10	20:51	93	1	GV173	BON093	294	57 28.81 N	155 27.17 W	CAT	CAT
27-May-10	22:17	94	1	GT173	BON094	50	57 36.71 N	155 27.77 W	60BON	L-Meas, L-Oto, QTowF, RCountL
27-May-10	22:17	94	1	GT173	BON094	50	57 36.71 N	155 27.77 W	CAT	CAT
28-May-10	23:08	95	1	GV175	BON095	284	57 36.27 N	155 14.93 W	60BON	L-Meas, L-Oto, QTowF, RCountL
28-May-10	23:08	95	1	GV175	BON095	284	57 36.27 N	155 14.93 W	CAT	CAT
28-May-10	0:24	96	1	GX175	BON096	233	57 29.29 N	155 01.49 W	60BON	L-Meas, L-Oto, QTowF, RCountL
28-May-10	0:24	96	1	GX175	BON096	233	57 29.29 N	155 01.49 W	CAT	CAT
28-May-10	1:38	97	1	GZ175	BON097	69	57 22.42 N	154 48.68 W	60BON	QTowF, RCountL
28-May-10	1:38	97	1	GZ175	BON097	69	57 22.42 N	154 48.68 W	CAT	CAT
28-May-10	2:47	98	1	FOX56	BON098	214	57 31.45 N	154 46.35 W	20BON	QTowF
28-May-10	2:47	98	1	FOX56	BON098	214	57 31.45 N	154 46.35 W	60BON	QTowF
28-May-10	2:47	98	1	FOX56	BON098	214	57 31.45 N	154 46.35 W	CAT	CAT
28-May-10	3:24	98	2	FOX56	CTD006	214	57 31.15 N	154 46.73 W	CTDB	CTD, Fluor, Nut, PAR
28-May-10	3:44	98	3	FOX56	CTD007	208	57 31.25 N	154 46.98 W	CTDB	Chlor, CTD, Fluor, MZ, Nut, PAR
28-May-10	4:12	98	4	FOX56	BON099	210	57 31.14 N	154 46.94 W	60BON	Other
28-May-10	4:12	98	4	FOX56	BON099	210	57 31.14 N	154 46.94 W	60BON	Other
28-May-10	4:12	98	4	FOX56	BON099	210	57 31.14 N	154 46.94 W	CAT	CAT
28-May-10	4:56	99	1	FOX57	BON100	227	57 33.09 N	154 52.77 W	20BON	QTowF
28-May-10	4:56	99	1	FOX57	BON100	227	57 33.09 N	154 52.77 W	60BON	QTowF
28-May-10	4:56	99	1	FOX57	BON100	227	57 33.09 N	154 52.77 W	CAT	CAT
28-May-10	5:34	99	2	FOX57	CTD008	226	57 33.05 N	154 52.95 W	CTDB	CTD, Fluor, Nut, PAR
28-May-10	5:55	99	3	FOX57	CTD009	227	57 33.09 N	154 52.70 W	CTDB	Chlor, CTD, Fluor, MZ, Nut, PAR
28-May-10	6:13	99	4	FOX57	BON101	228	57 33.02 N	154 52.36 W	60BON	Other
28-May-10	6:13	99	4	FOX57	BON101	228	57 33.02 N	154 52.36 W	60BON	Other
28-May-10	6:13	99	4	FOX57	BON101	228	57 33.02 N	154 52.36 W	CAT	CAT
28-May-10	7:21	100	1	FOX58	BON102	237	57 36.54 N	155 00.66 W	20BON	QTowF
28-May-10	7:21	100	1	FOX58	BON102	237	57 36.54 N	155 00.66 W	60BON	QTowF
28-May-10	7:21	100	1	FOX58	BON102	237	57 36.54 N	155 00.66 W	CAT	CAT
28-May-10	8:02	100	2	FOX58	CTD010	237	57 36.70 N	155 00.71 W	CTDB	CTD, Fluor, Nut, PAR
28-May-10	8:32	100	3	FOX58	CTD011	237	57 36.45 N	155 00.34 W	CTDB	Chlor, CTD, Fluor, MZ, Nut, PAR
28-May-10	9:05	100	4	FOX58	BON103	238	57 36.46 N	155 00.64 W	60BON	Other
28-May-10	9:05	100	4	FOX58	BON103	238	57 36.46 N	155 00.64 W	CAT	CAT
28-May-10	10:12	101	1	FOX59	BON104	254	57 38.40 N	155 04.15 W	20BON	QTowF
28-May-10	10:12	101	1	FOX59	BON104	254	57 38.40 N	155 04.15 W	60BON	QTowF

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Cruise Summary For FOCI Cruise 3DY10 (DY-10-05)

Date (GMT)	Time (GMT)	Station	Hau	FOCI Grid	Alternate Station	Depth (m)	Latitude	Longitude	Gear	Samples Collected
28-May-10	10:12	101	1	FOX59	BON104	254	57 38.40 N	155 04.15 W	CAT	CAT
28-May-10	10:58	101	2	FOX59	CTD012	255	57 38.52 N	155 04.38 W	CTDB	CTD, Fluor, Nut, PAR
28-May-10	11:31	101	3	FOX59	CTD013	255	57 38.28 N	155 04.54 W	CTDB	Chlor, CTD, Fluor, MZ, Nut, PAR
28-May-10	12:05	101	4	FOX59	BON105	254	57 38.44 N	155 04.20 W	60BON	Other
28-May-10	12:05	101	4	FOX59	BON105	254	57 38.44 N	155 04.20 W	CAT	CAT
28-May-10	13:11	102	1	FOX60	BON106	288	57 40.65 N	155 10.50 W	20BON	QTowF
28-May-10	13:11	102	1	FOX60	BON106	288	57 40.65 N	155 10.50 W	60BON	QTowF
28-May-10	13:11	102	1	FOX60	BON106	288	57 40.65 N	155 10.50 W	CAT	CAT
28-May-10	13:50	102	2	FOX60	CTD014	287	57 40.48 N	155 10.48 W	CTDB	CTD, Fluor, Nut, PAR
28-May-10	14:27	102	3	FOX60	CTD015	287	57 40.71 N	155 10.42 W	CTDB	Chlor, CTD, Fluor, MZ, Nut, PAR
28-May-10	15:09	102	4	FOX60	BON107	287	57 40.79 N	155 10.75 W	60BON	Other
28-May-10	15:09	102	4	FOX60	BON107	287	57 40.79 N	155 10.75 W	CAT	CAT
28-May-10	16:32	103	1	FOX61	BON108	174	57 42.91 N	155 16.04 W	20BON	QTowF
28-May-10	16:32	103	1	FOX61	BON108	174	57 42.91 N	155 16.04 W	60BON	QTowF
28-May-10	16:32	103	1	FOX61	BON108	174	57 42.91 N	155 16.04 W	CAT	CAT
28-May-10	17:10	103	2	FOX61	CTD016	229	57 43.06 N	155 15.59 W	CTDB	Chlor, CTD, Fluor, MZ, Nut, PAR
28-May-10	18:03	103	3	FOX61	BON109	276	57 42.89 N	155 15.50 W	60BON	Other
28-May-10	18:03	103	3	FOX61	BON109	276	57 42.89 N	155 15.50 W	CAT	CAT
28-May-10	20:13	104	1	GX177	BON110	220	57 36.68 N	154 48.56 W	60BON	L-Meas, L-Oto, QTowF, RCountL
28-May-10	20:13	104	1	GX177	BON110	220	57 36.68 N	154 48.56 W	CAT	CAT
28-May-10	21:27	105	1	GV177	BON111	275	57 43.39 N	155 01.70 W	60BON	QTowF, RCountL
28-May-10	21:27	105	1	GV177	BON111	275	57 43.39 N	155 01.70 W	CAT	CAT
28-May-10	22:44	106	1	GV179	BON112	279	57 50.53 N	154 49.04 W	60BON	QTowF
28-May-10	22:44	106	1	GV179	BON112	279	57 50.53 N	154 49.04 W	CAT	CAT
29-May-10	0:12	107	1	GX179	BON113	217	57 43.73 N	154 35.75 W	60BON	L-Meas, L-Oto, QTowF, RCountL
29-May-10	0:12	107	1	GX179	BON113	217	57 43.73 N	154 35.75 W	CAT	CAT
29-May-10	1:48	108	1	GZ181	BON114	61	57 43.73 N	154 35.75 W	60BON	QTowF, RCountL
29-May-10	1:48	108	1	GZ181	BON114	61	57 43.73 N	154 35.75 W	CAT	CAT
29-May-10	2:56	109	1	GX181	BON115	215	57 51.14 N	154 22.80 W	60BON	L-Meas, L-Oto, QTowF, RCountL
29-May-10	2:56	109	1	GX181	BON115	215	57 51.14 N	154 22.80 W	CAT	CAT
29-May-10	4:10	110	1	GX183	BON116	207	57 58.27 N	154 10.00 W	60BON	L-Meas, L-Oto, QTowF, RCountL
29-May-10	4:10	110	1	GX183	BON116	207	57 58.27 N	154 10.00 W	CAT	CAT
29-May-10	5:24	111	1	GZ183	BON117	189	57 51.40 N	153 57.27 W	60BON	RCountL
29-May-10	5:24	111	1	GZ183	BON117	189	57 51.40 N	153 57.27 W	CAT	CAT
29-May-10	6:34	112	1	GZ185	BON118	189	57 58.63 N	153 43.90 W	60BON	QTowF, RCountL
29-May-10	6:34	112	1	GZ185	BON118	189	57 58.63 N	153 43.90 W	CAT	CAT
29-May-10	7:37	113	1	GX185	BON119	200	58 05.49 N	153 56.82 W	60BON	L-Meas, L-Oto, QTowF, RCountL

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Cruise Summary For FOCI Cruise 3DY10 (DY-10-05)

Date (GMT)	Time (GMT)	Station	Hau	FOCI Grid	Alternate Station	Depth (m)	Latitude	Longitude	Gear	
29-May-10	7:37	113	1	GX185	BON119	200	58 05.49 N	153 56.82 W	CAT	CAT
29-May-10	8:43	114	1	GX187	BON120	191	58 12.72 N	153 43.98 W	60BON	L-Oto, QTowF,
RCountL										
29-May-10	8:43	114	1	GX187	BON120	191	58 12.72 N	153 43.98 W	CAT	CAT
29-May-10	9:51	115	1	GZ187	BON121	224	58 05.98 N	153 30.91 W	60BON	L-Oto, QTowF,
RCountL										
29-May-10	9:51	115	1	GZ187	BON121	224	58 05.98 N	153 30.91 W	CAT	CAT
29-May-10	10:57	116	1	GZ189	BON122	203	58 13.08 N	153 17.69 W	60BON	L-Oto, QTowF,
RCountL										
29-May-10	10:57	116	1	GZ189	BON122	203	58 13.08 N	153 17.69 W	CAT	CAT
29-May-10	12:11	117	1	GX189	BON123	172	58 20.04 N	153 30.59 W	60BON	L-Oto, QTowF,
RCountL										
29-May-10	12:11	117	1	GX189	BON123	172	58 20.04 N	153 30.59 W	CAT	CAT
29-May-10	13:16	118	1	GV189	BON124	151	58 26.95 N	153 43.44 W	60BON	QTowF, RCountL
29-May-10	13:16	118	1	GV189	BON124	151	58 26.95 N	153 43.44 W	CAT	CAT
29-May-10	14:27	119	1	GV191	BON125	113	58 33.92 N	153 30.58 W	60BON	QTowF, RCountL
29-May-10	14:27	119	1	GV191	BON125	113	58 33.92 N	153 30.58 W	CAT	CAT
29-May-10	15:36	120	1	GX191	BON126	176	58 27.31 N	153 17.67 W	60BON	L-Oto, QTowF,
RCountL										
29-May-10	15:36	120	1	GX191	BON126	176	58 27.31 N	153 17.67 W	CAT	CAT
29-May-10	16:46	121	1	GZ191	BON127	160	58 20.39 N	153 04.97 W	60BON	L-Oto, QTowF,
RCountL										
29-May-10	16:46	121	1	GZ191	BON127	160	58 20.39 N	153 04.97 W	CAT	CAT
29-May-10	17:52	122	1	GZ193	BON128	57	58 27.61 N	152 52.24 W	60BON	QTowF, RCountL
29-May-10	17:52	122	1	GZ193	BON128	57	58 27.61 N	152 52.24 W	CAT	CAT
29-May-10	18:55	123	1	GX193	BON129	160	58 34.66 N	153 04.62 W	60BON	L-Oto, QTowF,
RCountL										
29-May-10	18:55	123	1	GX193	BON129	160	58 34.66 N	153 04.62 W	CAT	CAT
29-May-10	19:59	124	1	GV193	BON130	92	58 41.24 N	153 17.30 W	60BON	L-Oto, QTowF,
RCountL										
29-May-10	19:59	124	1	GV193	BON130	92	58 41.24 N	153 17.30 W	CAT	CAT
29-May-10	21:31	125	1	GX195	BON131	160	58 41.81 N	152 51.62 W	60BON	L-Oto, QTowF,
RCountL										
29-May-10	21:31	125	1	GX195	BON131	160	58 41.81 N	152 51.62 W	CAT	CAT
29-May-10	22:40	126	1	GY195	BON132	158	58 48.58 N	153 03.54 W	60BON	L-Oto, QTowF,
RCountL										
29-May-10	22:40	126	1	GY195	BON132	158	58 48.58 N	153 03.54 W	CAT	CAT
30-May-10	7:48	127	1	GT197	BON133	143	59 02.74 N	153 02.91 W	60BON	L-Oto, QTowF,
RCountL										
30-May-10	7:48	127	1	GT197	BON133	143	59 02.74 N	153 02.91 W	CAT	CAT
30-May-10	8:52	128	1	GV197	BON134	177	58 56.02 N	152 50.54 W	60BON	L-Oto, QTowF,
RCountL										
30-May-10	8:52	128	1	GV197	BON134	177	58 56.02 N	152 50.54 W	CAT	CAT
30-May-10	10:01	129	1	GX197	BON135	201	58 49.18 N	152 37.82 W	60BON	L-Oto, QTowF,
RCountL										
30-May-10	10:01	129	1	GX197	BON135	201	58 49.18 N	152 37.82 W	CAT	CAT
30-May-10	11:10	130	1	GZ197	BON136	169	58 42.32 N	152 25.24 W	60BON	L-Oto, QTowF,
RCountL										
30-May-10	11:10	130	1	GZ197	BON136	169	58 42.32 N	152 25.24 W	CAT	CAT
30-May-10	12:16	131	1	GZ199	BON137	123	58 49.65 N	152 12.12 W	60BON	L-Oto, QTowF,
RCountL										
30-May-10	12:16	131	1	GZ199	BON137	123	58 49.65 N	152 12.12 W	CAT	CAT
30-May-10	13:25	132	1	HB199	BON138	144	58 42.60 N	151 59.66 W	60BON	L-Oto, QTowF,
RCountL										
30-May-10	13:25	132	1	HB199	BON138	144	58 42.60 N	151 59.66 W	CAT	CAT

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Cruise Summary For FOCI Cruise 3DY10 (DY-10-05)

Date (GMT)	Time (GMT)	Station	Hau	FOCI Grid	Alternate Station	Depth (m)	Latitude	Longitude	Gear	
30-May-10	14:32	133	1	HB201	BON139	124	58 49.73 N	151 46.41 W	60BON	L-Oto, QTowF, RCountL
30-May-10	14:32	133	1	HB201	BON139	124	58 49.73 N	151 46.41 W	CAT	CAT
30-May-10	15:49	134	1	HB203	BON140	90	58 57.12 N	151 32.66 W	60BON	L-Oto, QTowF, RCountL
30-May-10	15:49	134	1	HB203	BON140	90	58 57.12 N	151 32.66 W	CAT	CAT
30-May-10	16:43	135	1	HB205	BON141	65	59 04.17 N	151 19.09 W	60BON	L-Oto, QTowF, RCountL
30-May-10	16:43	135	1	HB205	BON141	65	59 04.17 N	151 19.09 W	CAT	CAT
30-May-10	17:49	136	1	HD205	BON142	171	58 57.53 N	151 06.94 W	60BON	L-Oto, QTowF, RCountL
30-May-10	17:49	136	1	HD205	BON142	171	58 57.53 N	151 06.94 W	CAT	CAT
30-May-10	18:57	137	1	HF205	BON143	158	58 50.61 N	150 55.01 W	60BON	L-Oto, QTowF, RCountL
30-May-10	18:57	137	1	HF205	BON143	158	58 50.61 N	150 55.01 W	CAT	CAT
30-May-10	20:07	138	1	HH205	BON144	191	58 43.79 N	150 43.22 W	60BON	L-Oto, QTowF, RCountL
30-May-10	20:07	138	1	HH205	BON144	191	58 43.79 N	150 43.22 W	CAT	CAT
30-May-10	22:15	139	1	HJ205	BON145	207	58 36.87 N	150 30.98 W	60BON	L-Oto, QTowF, RCountL
30-May-10	22:15	139	1	HJ205	BON145	207	58 36.87 N	150 30.98 W	CAT	CAT
30-May-10	23:29	140	1	HL205	BON146	92	58 30.12 N	150 18.99 W	60BON	QTowF, RCountL
30-May-10	23:29	140	1	HL205	BON146	92	58 30.12 N	150 18.99 W	CAT	CAT
31-May-10	0:42	141	1	HL203	BON147	70	58 22.85 N	150 31.33 W	60BON	QTowF, RCountL
31-May-10	0:42	141	1	HL203	BON147	70	58 22.85 N	150 31.33 W	CAT	CAT
31-May-10	1:47	142	1	HJ203	BON148	95	58 29.63 N	150 43.63 W	60BON	L-Oto, QTowF, RCountL
31-May-10	1:47	142	1	HJ203	BON148	95	58 29.63 N	150 43.63 W	CAT	CAT
31-May-10	2:52	143	1	HH203	BON149	193	58 36.50 N	150 55.83 W	60BON	L-Oto, QTowF, RCountL
31-May-10	2:52	143	1	HH203	BON149	193	58 36.50 N	150 55.83 W	CAT	CAT
31-May-10	3:57	144	1	HF203	BON150	180	58 43.29 N	151 08.12 W	60BON	L-Oto, QTowF, RCountL
31-May-10	3:57	144	1	HF203	BON150	180	58 43.29 N	151 08.12 W	CAT	CAT
31-May-10	5:05	145	1	HD203	BON151	129	58 50.21 N	151 20.22 W	60BON	L-Oto, QTowF, RCountL
31-May-10	5:05	145	1	HD203	BON151	129	58 50.21 N	151 20.22 W	CAT	CAT
31-May-10	6:18	146	1	HD201	BON152	178	58 42.83 N	151 33.61 W	60BON	L-Oto, QTowF, RCountL
31-May-10	6:18	146	1	HD201	BON152	178	58 42.83 N	151 33.61 W	CAT	CAT
31-May-10	7:28	147	1	HF201	BON153	165	58 35.98 N	151 21.61 W	60BON	QTowF, RCountL
31-May-10	7:28	147	1	HF201	BON153	165	58 35.98 N	151 21.61 W	CAT	CAT
31-May-10	8:39	148	1	HH201	BON154	99	58 29.34 N	151 09.47 W	60BON	QTowF, RCountL
31-May-10	8:39	148	1	HH201	BON154	99	58 29.34 N	151 09.47 W	CAT	CAT
31-May-10	9:49	149	1	HJ201	BON154	66	58 22.43 N	150 57.24 W	60BON	QTowF, RCountL
31-May-10	9:49	149	1	HJ201	BON154	66	58 22.43 N	150 57.24 W	CAT	CAT
31-May-10	10:56	150	1	HL201	BON156	72	58 15.55 N	150 44.82 W	60BON	QTowF, RCountL
31-May-10	10:56	150	1	HL201	BON156	72	58 15.55 N	150 44.82 W	CAT	CAT
31-May-10	12:04	151	1	HL199	BON157	146	58 08.25 N	150 57.60 W	60BON	QTowF, RCountL
31-May-10	12:04	151	1	HL199	BON157	146	58 08.25 N	150 57.60 W	CAT	CAT
31-May-10	13:07	152	1	HJ199	BON158	164	58 15.09 N	151 09.92 W	60BON	QTowF, RCountL

Monday, June 07, 2010

Cruise Summary For FOCI Cruise 3DY10 (DY-10-05)

Date (GMT)	Time (GMT)	Station	Hau	FOCI Grid	Alternate Station	Depth (m)	Latitude	Longitude	Gear	
31-May-10	13:07	152	1	HJ199	BON158	164	58 15.09 N	151 09.92 W	CAT	CAT
31-May-10	14:13	153	1	HH199	BON159	127	58 21.79 N	151 22.44 W	60BON	QTowF, RCountL
31-May-10	14:13	153	1	HH199	BON159	127	58 21.79 N	151 22.44 W	CAT	CAT
31-May-10	15:33	154	1	HF199	BON160	164	58 28.63 N	151 34.24 W	60BON	L-Oto, QTowF, RCountL
31-May-10	15:33	154	1	HF199	BON160	164	58 28.63 N	151 34.24 W	CAT	CAT
31-May-10	16:40	155	1	HD199	BON161	171	58 35.47 N	151 46.56 W	60BON	L-Oto, QTowF, RCountL
31-May-10	16:40	155	1	HD199	BON161	171	58 35.47 N	151 46.56 W	CAT	CAT
31-May-10	17:52	156	1	HD197	BON162	102	58 28.35 N	152 00.17 W	60BON	QTowF, RCountL
31-May-10	17:52	156	1	HD197	BON162	102	58 28.35 N	152 00.17 W	CAT	CAT
31-May-10	18:55	157	1	HF197	BON163	50	58 21.62 N	151 47.67 W	60BON	QTowF, RCountL
31-May-10	18:55	157	1	HF197	BON163	50	58 21.62 N	151 47.67 W	CAT	CAT
31-May-10	19:58	158	1	HH197	BON164	69	58 14.58 N	151 35.50 W	60BON	L-Oto, QTowF, RCountL
31-May-10	19:58	158	1	HH197	BON164	69	58 14.58 N	151 35.50 W	CAT	CAT
31-May-10	21:02	159	1	HH195	BON165	73	58 07.42 N	151 48.33 W	60BON	QTowF, RCountL
31-May-10	21:02	159	1	HH195	BON165	73	58 07.42 N	151 48.33 W	CAT	CAT
31-May-10	22:09	160	1	HJ195	BON166	93	58 00.55 N	151 36.32 W	60BON	QTowF, RCountL
31-May-10	22:09	160	1	HJ195	BON166	93	58 00.55 N	151 36.32 W	CAT	CAT
31-May-10	23:11	161	1	HJ197	BON167	127	58 07.65 N	151 23.40 W	60BON	QTowF, RCountL
31-May-10	23:11	161	1	HJ197	BON167	127	58 07.65 N	151 23.40 W	CAT	CAT
01-Jun-10	0:23	162	1	HL197	BON168	83	58 01.07 N	151 10.80 W	60BON	QTowF, RCountL
01-Jun-10	0:23	162	1	HL197	BON168	83	58 01.07 N	151 10.80 W	CAT	CAT
01-Jun-10	1:39	163	1	HL195	BON169	66	57 53.78 N	151 23.49 W	60BON	QTowF, RCountL
01-Jun-10	1:39	163	1	HL195	BON169	66	57 53.78 N	151 23.49 W	CAT	CAT

Figure 1. Station Map

