

Cruise:	KH-11-10		Station:	St.0		Date:	2011/12/2		Latitude:	29 59.73N		Depth:	5903m
Leg:	1		Cast:	C1 (Deep)		Time:	14:14		Longitude:	144 58.61E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	24.1	***	***	***			10	23.723	34.759	4.66	0.14
1	5830	5951	1.604	34.693	3.36	0.06			20	23.730	34.760	4.64	0.16
2	4909	5000	1.507	34.691	3.37	0.06			30	23.732	34.760	4.65	0.15
3	3936	4001	1.474	34.683	3.16	0.01			40	23.734	34.760	4.63	0.15
4	2957	2999	1.569	34.662	2.71	0.01			50	23.729	34.758	4.64	0.01
5	2467	2499	1.698	34.640	2.28	0.01			75	23.710	34.755	4.66	0.17
6	1975	1998	1.972	34.592	1.63	0.01			100	19.348	34.775	4.80	0.30
7	1485	1501	2.537	34.498	0.97	0.01			125	18.384	34.753	4.58	0.20
8	990	999	3.755	34.288	0.95	0.01			150	17.877	34.730	4.55	0.15
9	743	750	5.286	34.097	2.17	0.01			175	17.410	34.710	4.55	0.09
10	496	500	10.754	34.266	3.93	0.01			200	17.243	34.708	4.62	0.06
11	4909	5001	1.507	34.691	3.37	0.06			250	16.979	34.707	4.69	0.05
12	4910	5001	1.507	34.691	3.36	0.06			300	16.127	34.637	4.19	0.00
13	2959	3001	1.569	34.662	2.71	0.01			400	13.937	34.493	4.07	0.00
14	2959	3001	1.569	34.662	2.71	0.01			500	11.141	34.297	3.99	0.01
15	1977	2000	1.973	34.592	1.62	0.01			600	8.514	34.115	3.69	0.01
16	1976	2000	1.973	34.592	1.63	0.01			700	5.858	34.009	2.97	0.01
17	1977	2000	1.973	34.592	1.63	0.01			800	4.763	34.102	1.87	0.01
18	1485	1500	2.538	34.498	0.97	0.01			900	4.216	34.195	1.29	0.01
19	991	1000	3.754	34.289	0.95	0.01			1000	3.740	34.287	0.94	0.01
20	991	1001	3.752	34.289	0.95	0.01			1200	3.201	34.409	0.87	0.01
21	991	1000	3.754	34.289	0.95	0.01			1500	2.509	34.503	0.98	0.01
22	992	1001	3.750	34.289	0.95	0.01			2000	1.951	34.597	1.66	0.01
23	497	501	10.742	34.266	3.93	0.01			2500	1.665	34.644	2.40	0.01
24	498	502	10.680	34.263	3.94	0.01			3000	1.552	34.665	2.81	0.01
									3500	1.489	34.676	3.03	0.01
									4000	1.467	34.684	3.22	0.01
									4500	1.475	34.688	3.34	0.01
									5000	1.507	34.691	3.41	0.01
									5500	1.555	34.692	3.49	0.01
									5952	1.604	34.693	3.56	0.01

Cruise:	KH-11-10		Station:	St.0		Date:	2011/12/2		Latitude:	30 00.10N		Depth:	5912m
Leg:	1		Cast:	C2 (Shallow)		Time:	21:38		Longitude:	144 59.99E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	24.1	***	***	***		0.152	10	23.764	34.792	4.63	0.20
1	399	403	13.919	34.492	4.07	0.07			20	23.772	34.792	4.63	0.21
2	299	301	15.922	34.621	4.14	0.06		nd	30	23.775	34.791	4.63	0.20
3	249	251	16.663	34.672	4.43	0.07		nd	40	23.778	34.790	4.64	0.21
4	201	202	17.098	34.697	4.54	0.12		0.024	50	23.778	34.790	4.62	0.22
5	149	150	17.731	34.718	4.52	0.22		0.065	75	23.703	34.788	4.74	0.23
6	124	125	18.298	34.749	4.60	0.32		0.120	100	19.274	34.780	4.79	0.51
7	90	90	19.905	34.774	4.97	0.52		0.214	125	18.191	34.744	4.82	0.29
8	398	401	13.928	34.492	4.07	0.07			150	17.711	34.720	4.57	0.23
9	300	303	15.861	34.620	4.14	0.06			175	17.301	34.703	4.52	0.17
10	302	304	15.832	34.619	4.13	0.06			200	17.090	34.697	4.55	0.10
11	304	306	15.792	34.617	4.13	0.06			250	16.734	34.677	4.47	0.07
12	203	204	17.056	34.696	4.56	0.10			300	15.996	34.625	4.21	0.06
13	200	201	17.108	34.697	4.54	0.12			400	13.962	34.494	4.07	0.07
14	201	202	17.101	34.697	4.54	0.11			401	13.973	34.495	4.08	0.07
15	149	150	17.729	34.718	4.52	0.21							
16	150	151	17.720	34.718	4.52	0.21							
17	150	151	17.713	34.718	4.53	0.20							
18	91	92	19.874	34.776	4.95	0.53							
19	91	92	19.877	34.776	4.95	0.52							
20	251	253	16.624	34.670	4.44	0.07							
21	202	203	17.076	34.697	4.55	0.10							
22	152	153	17.692	34.718	4.53	0.21							
23	126	127	18.229	34.746	4.57	0.35							
24	89	90	19.883	34.775	4.95	0.50							
ニスキン直付	10							0.145					
ニスキン直付	50							0.175					
ニスキン直付	75							0.233					
ニスキン直付	100							0.212					

Cruise:	KH-11-10		Station:	St.0		Date:	2011/12/2		Latitude:	30	00.20N		Depth:	5914m
Leg:	1		Cast:	C3 (Suzuki)		Time:	23:22		Longitude:	144	59.88E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	24.0	***	***	***			10	23.791	34.794	4.64	0.19	
1	89	90	19.828	34.780	5.06	0.52			20	23.793	34.794	4.63	0.20	
2	90	90	19.907	34.779	4.94	0.46			30	23.795	34.795	4.63	0.19	
3	90	90	19.944	34.780	4.95	0.45			40	23.798	34.796	4.63	0.19	
4	89	90	19.960	34.780	4.92	0.48			50	23.801	34.796	4.63	0.21	
5	90	91	19.771	34.781	4.93	0.47			75	22.802	34.792	4.80	0.35	
6	90	90	19.743	34.780	4.93	0.50			100	19.497	34.782	4.85	0.49	
7	90	90	19.670	34.781	4.99	0.53			125	18.190	34.744	4.66	0.31	
8	89	90	19.676	34.780	4.94	0.51			150	17.639	34.716	4.60	0.24	
9	89	90	19.657	34.781	4.94	0.52			152	17.632	34.716	0.00	0.23	
10	89	90	19.643	34.781	4.95	0.51								
11	89	90	19.630	34.781	4.94	0.52								
12	89	90	19.615	34.781	4.93	0.52								
13	6	6	23.789	34.795	4.62	0.18								
14	7	7	23.789	34.795	4.63	0.18								
15	6	6	23.789	34.795	4.64	0.18								
16	5	5	23.789	34.795	4.64	0.18								
17	7	7	23.789	34.795	4.62	0.18								
18	6	6	23.789	34.795	4.63	0.18								
19	6	6	23.789	34.795	4.63	0.18								
20	7	7	23.789	34.795	4.62	0.18								
21	6	6	23.787	34.795	4.63	0.18								
22	6	6	23.785	34.795	4.63	0.17								
23	6	6	23.785	34.795	4.63	0.18								
24	7	7	23.781	34.794	4.63	0.18								

Cruise:	KH-11-10		Station:	St.1		Date:	2011/12/5		Latitude:	22	58.71N		Depth:	4792m
Leg:	1		Cast:	C1 (Suzuki)		Time:	00:05		Longitude:	155	00.45E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	27.3	***	***	***			2	26.934	34.872	4.40	0.07	
1	130	130	19.945	34.933	4.68	0.45			5	26.942	34.872	4.41	0.07	
2	130	131	19.913	34.930	4.69	0.44			10	26.940	34.872	4.41	0.08	
3	130	131	19.966	34.935	4.67	0.46			20	26.928	34.872	4.42	0.08	
4	129	130	19.973	34.937	4.69	0.43			30	26.674	34.924	4.43	0.10	
5	130	131	19.991	34.939	4.68	0.46			40	26.556	34.985	4.43	0.10	
6	130	131	19.993	34.939	4.68	0.45			50	26.445	35.029	4.45	0.11	
7	130	131	20.007	34.941	4.68	0.43			75	24.005	35.089	4.91	0.19	
8	130	130	20.012	34.942	4.67	0.45			100	21.943	35.086	4.92	0.34	
9	130	131	20.014	34.942	4.68	0.46			125	20.577	34.993	4.75	0.47	
10	130	131	20.016	34.942	4.68	0.48			150	19.362	34.868	4.63	0.37	
11	130	131	20.027	34.944	4.67	0.47								
12	129	130	20.041	34.946	4.68	0.45								
13	5	5	26.922	34.874	4.41	0.08								
14	5	5	26.934	34.873	4.40	0.09								
15	4	4	26.938	34.873	4.41	0.08								
16	4	4	26.944	34.873	4.40	0.08								
17	4	4	26.949	34.873	4.41	0.07								
18	5	6	26.945	34.873	4.41	0.08								
19	6	6	26.947	34.873	4.41	0.08								
20	5	5	26.949	34.873	4.41	0.08								
21	5	5	26.945	34.873	4.40	0.08								
22	5	5	26.945	34.873	4.41	0.08								
23	5	5	26.945	34.873	4.40	0.08								
24	5	5	26.947	34.873	4.41	0.08								

Cruise:	KH-11-10		Station:	St.1		Date:	2011/12/5		Latitude:	22	59.79N		Depth:	5042m
Leg:	1		Cast:	C2 (Light)		Time:	01:07		Longitude:	154	59.99E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	27.2	***	***	***			5	27.037	34.877	4.41	0.07	
1	152	153	19.033	34.834	4.57	0.30			10	26.998	34.876	4.40	0.07	
2	151	152	19.089	34.838	4.59	0.30			20	26.970	34.876	4.40	0.08	
3	150	151	19.087	34.838	4.60	0.31			30	26.957	34.875	4.41	0.09	
4	151	152	19.096	34.839	4.59	0.31			40	26.701	34.914	4.42	0.09	
5	105	106	21.962	35.127	4.84	0.40			50	26.438	35.023	4.45	0.11	
6	105	106	21.986	35.127	4.84	0.40			75	25.389	35.117	4.73	0.17	
7	106	106	21.957	35.128	4.84	0.39			100	22.322	35.139	4.86	0.32	
8	43	43	26.635	34.945	4.42	0.10			125	20.552	35.011	4.70	0.54	
9	43	43	26.638	34.939	4.44	0.10			150	19.023	34.837	4.55	0.29	
10	43	43	26.639	34.938	4.43	0.10			175	18.530	34.786	4.52	0.25	
11	17	17	26.978	34.873	4.41	0.08			200	18.392	34.771	4.48	0.20	
12	17	18	26.979	34.873	4.41	0.08			202	18.393	34.771	4.47	0.18	
13	17	17	26.979	34.873	4.41	0.08								
14	5	5	27.014	34.875	4.41	0.08								
15	5	5	27.013	34.875	4.41	0.07								
16	5	5	27.014	34.875	4.41	0.08								
17	5	5	27.019	34.875	4.40	0.07								
18	5	5	27.029	34.876	4.41	0.08								
19	6	6	27.030	34.876	4.41	0.07								
20	6	6	27.025	34.876	4.40	0.07								
21	6	6	27.033	34.876	4.40	0.07								
22	6	6	27.030	34.876	4.42	0.08								
23	5	5	27.042	34.877	4.41	0.07								
24	5	5	27.044	34.877	4.40	0.07								

Cruise:	KH-11-10		Station:	St.1		Date:	2011/12/5		Latitude:	22	59.92N		Depth:	4758m
Leg:	1		Cast:	C3 (Deep)		Time:	02:34		Longitude:	154	59.96E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	27.3	***	***	***			5	27.132	34.880	4.40	0.07	
1	4990	5081	1.477	34.694	3.47	0.07	3.92		10	27.066	34.877	4.40	0.07	
2	4912	5001	1.467	34.694	3.48	0.07	3.91		20	26.992	34.876	4.41	0.08	
3	3937	3999	1.446	34.686	3.26	0.07	3.60		30	26.961	34.875	4.40	0.08	
4	2960	3000	1.535	34.668	2.89	0.07	3.14		40	26.720	34.915	4.43	0.10	
5	2471	2501	1.688	34.648	2.58	0.07	2.81		50	26.596	34.964	4.42	0.10	
6	1979	2001	1.940	34.615	2.19	0.07	2.36		75	25.968	35.117	4.56	0.14	
7	1485	1499	2.574	34.544	1.64	0.07	1.74		100	23.464	35.123	4.87	0.23	
8	992	1001	3.640	34.366	0.91	0.08	1.02		125	21.633	35.103	4.81	0.43	
9	744	751	5.147	34.156	1.50	0.08	1.68		150	19.116	34.846	4.58	0.34	
10	496	500	9.265	34.156	3.78	0.07	3.93		175	18.505	34.783	4.51	0.25	
11	397	400	12.979	34.409	4.24	0.06	4.48		200	18.118	34.751	4.46	0.13	
12	299	301	16.027	34.617	4.21	0.06	4.44	nd	250	17.025	34.691	4.57	0.06	
13	247	249	17.111	34.694	4.23	0.06	4.45	nd	300	15.884	34.609	4.18	0.06	
14	200	201	17.900	34.726	4.45	0.12	4.69	0.027	400	12.898	34.405	4.24	0.06	
15	134	135	19.615	34.891	4.68	0.39		0.149	500	9.643	34.182	3.89	0.06	
16	1979	2001	1.942	34.614	2.19	0.07			600	7.112	34.069	2.98	0.07	
17	992	1001	3.649	34.366	0.91	0.08			700	5.564	34.123	1.82	0.07	
18	496	500	9.266	34.157	3.78	0.07			800	4.897	34.201	1.27	0.07	
19	200	201	17.899	34.728	4.49	0.13			900	4.224	34.299	1.00	0.07	
20	199	200	17.903	34.729	4.49	0.13			1000	3.768	34.356	0.92	0.07	
21	134	135	19.657	34.897	4.69	0.40			1200	3.226	34.474	1.29	0.07	
22	133	134	19.686	34.901	4.69	0.38			1500	2.513	34.546	1.62	0.08	
23	496	500	9.270	34.157	3.78	0.07			2000	1.894	34.620	2.24	0.07	
24	497	501	9.253	34.157	3.79	0.07			2500	1.679	34.649	2.61	0.07	
									3000	1.535	34.668	2.91	0.07	
									3500	1.465	34.680	3.14	0.07	
									4000	1.443	34.686	3.34	0.07	
									4500	1.443	34.691	3.47	0.07	
									5000	1.467	34.694	3.59	0.07	
									5082	1.476	34.695	3.60	0.07	

Cruise:	KH-11-10		Station:	St.1		Date:	2011/12/5		Latitude:	22	59.94N		Depth:	5058m
Leg:	1		Cast:	C4 (Shallow)		Time:	10:01		Longitude:	154	59.96E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	27.0	***	***	***	4.65	0.039	5	26.925	34.868	4.41	0.10	
1	123	124	20.039	34.926	4.64	0.51			10	26.925	34.868	4.41	0.09	
2	148	149	19.436	34.885	4.59	0.39	4.83	0.039	20	26.934	34.869	4.40	0.09	
3	124	125	20.050	34.927	4.63	0.58	4.88	0.160	30	26.813	34.887	4.43	0.11	
4	99	100	22.068	35.027	5.01	0.30	5.20	0.230	40	26.628	34.955	4.43	0.12	
5	74	74	25.246	35.126	4.71	0.20	5.10	0.195	50	26.523	35.006	4.44	0.12	
6	49	49	26.322	35.062	4.45	0.13	4.83	0.108	75	25.912	35.119	4.58	0.16	
7	29	30	26.767	34.896	4.42	0.12	4.66	0.051	100	22.108	35.033	5.01	0.27	
8	20	20	26.943	34.868	4.41	0.10	4.66	0.047	125	20.106	34.929	4.66	0.60	
9	8	9	26.932	34.869	4.41	0.09	4.63	0.038	150	19.378	34.880	4.57	0.36	
10	5	5	26.936	34.869	4.41	0.10	4.66	0.051	175	18.338	34.766	4.52	0.22	
11	148	149	19.442	34.886	4.58	0.40			200	17.637	34.709	4.52	0.12	
12	148	149	19.449	34.887	4.58	0.41			202	17.505	34.701	0.00	0.10	
13	99	100	22.073	35.027	4.99	0.31								
14	99	99	22.117	35.031	5.01	0.31								
15	74	74	25.147	35.125	4.76	0.19								
16	74	75	25.210	35.126	4.80	0.20								
17	49	49	26.335	35.058	4.46	0.12								
18	49	49	26.355	35.051	4.46	0.13								
19	29	29	26.781	34.892	4.42	0.13								
20	29	29	26.819	34.883	4.43	0.13								
21	20	20	26.943	34.868	4.41	0.10								
22	9	9	26.936	34.868	4.40	0.10								
23	9	9	26.937	34.868	4.41	0.10								
24	5	5	26.935	34.869	4.40	0.10								

Cruise:	KH-11-10		Station:	St.2		Date:	2011/12/6		Latitude:	23 00.12N		Depth:	5735m
Leg:	1		Cast:	C1 (Deep)		Time:	06:50		Longitude:	159 59.98E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	26.9	***	***	***			2	26.781	34.949	4.39	0.11
1	5439	5544	1.533	34.695	3.44	0.07	3.97		5	26.782	34.949	4.41	0.10
2	4912	5001	1.476	34.694	3.48	0.07	3.89		10	26.781	34.949	4.41	0.09
3	3938	4000	1.452	34.685	3.25	0.07	3.64		20	26.650	35.022	4.43	0.10
4	2961	3001	1.558	34.667	2.85	0.07	3.12		30	26.580	35.064	4.44	0.11
5	2469	2500	1.699	34.650	2.57	0.07	2.80		40	26.494	35.081	4.45	0.12
6	1978	2000	1.979	34.616	2.19	0.07	2.38		50	26.374	35.145	4.45	0.14
7	1484	1499	2.664	34.558	1.77	0.07	1.90		75	25.336	35.236	4.65	0.19
8	5439	5544	1.533	34.695	3.47	0.07			100	21.936	35.086	4.93	0.32
9	4911	5000	1.476	34.694	3.47	0.07			125	20.322	34.990	4.59	0.62
10	4911	5000	1.476	34.694	3.47	0.07			150	19.430	34.904	4.50	0.36
11	4912	5001	1.476	34.694	3.47	0.07			175	18.769	34.841	4.40	0.28
12	3938	4000	1.452	34.685	3.24	0.07			200	17.799	34.756	4.28	0.19
13	3938	4000	1.452	34.685	3.24	0.07			250	16.705	34.663	4.28	0.06
14	2961	3001	1.558	34.667	2.85	0.07			300	15.311	34.558	4.26	0.06
15	2962	3002	1.558	34.667	2.85	0.07			400	11.849	34.324	4.23	0.06
16	2962	3002	1.558	34.667	2.85	0.07			500	9.428	34.162	3.76	0.06
17	2471	2501	1.700	34.650	2.58	0.07			600	6.650	34.082	2.50	0.07
18	1978	2000	1.979	34.616	2.18	0.07			700	5.300	34.153	1.54	0.07
19	1978	2000	1.979	34.616	2.18	0.07			800	4.498	34.269	1.07	0.07
20	1978	2001	1.980	34.616	2.18	0.07			900	4.146	34.375	1.06	0.07
21	1979	2001	1.979	34.616	2.18	0.07			1000	3.704	34.459	1.27	0.07
22	1484	1499	2.666	34.558	1.77	0.07			1200	3.213	34.519	1.53	0.07
23	1483	1498	2.669	34.558	1.77	0.07			1500	2.557	34.561	1.78	0.07
24	5440	5545	1.533	34.695	3.46	0.07			2000	1.940	34.620	2.24	0.07
									2500	1.696	34.650	2.60	0.07
									3000	1.551	34.668	2.89	0.07
									3500	1.486	34.678	3.10	0.07
									4000	1.448	34.686	3.28	0.07
									4500	1.447	34.691	3.46	0.07
									5000	1.475	34.694	3.56	0.07
									5500	1.527	34.695	3.61	0.07
									5544	1.533	34.695	3.63	0.06

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Cruise:	KH-11-10		Station:	St.2		Date:	2011/12/6		Latitude:	22	59.43N		Depth:	5453m
Leg:	1		Cast:	C3 (Light_D)		Time:	23:17		Longitude:	159	59.84E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	27.1	***	***	***			5	26.738	34.921	4.40	0.07	
1	148	149	19.254	34.888	4.42	0.35			10	26.735	34.921	4.40	0.07	
2	148	149	19.343	34.897	4.42	0.35			20	26.724	34.931	4.40	0.08	
3	149	150	19.354	34.898	4.42	0.35			30	26.627	35.058	4.43	0.09	
4	150	151	19.316	34.894	4.39	0.34			40	26.604	35.064	4.43	0.10	
5	148	149	19.325	34.895	4.42	0.34			50	26.463	35.097	4.46	0.12	
6	94	95	23.423	35.146	4.90	0.24			75	25.204	35.231	4.67	0.17	
7	95	95	23.401	35.146	4.91	0.27			100	21.780	35.075	4.89	0.33	
8	95	95	23.396	35.146	4.92	0.27			125	20.144	34.976	4.52	0.50	
9	94	95	23.414	35.146	4.91	0.27			150	18.814	34.842	4.40	0.26	
10	96	96	23.326	35.145	4.91	0.27			175	17.777	34.752	4.32	0.19	
11	44	44	26.601	35.061	4.42	0.11			200	17.275	34.708	4.33	0.10	
12	43	43	26.597	35.062	4.43	0.10			202	17.263	34.707	4.31	0.09	
13	44	44	26.601	35.062	4.42	0.10								
14	45	45	26.590	35.063	4.44	0.11								
15	45	45	26.571	35.067	4.43	0.11								
16	19	19	26.732	34.920	4.40	0.08								
17	20	20	26.732	34.920	4.41	0.08								
18	20	20	26.732	34.920	4.40	0.08								
19	20	20	26.731	34.920	4.40	0.08								
20	4	4	26.744	34.920	4.40	0.07								
21	5	5	26.744	34.920	4.41	0.07								
22	6	6	26.744	34.920	4.39	0.07								
23	6	6	26.744	34.920	4.39	0.07								
24	6	6	26.745	34.920	4.41	0.07								
#10 Miss Trigger														

Cruise:	KH-11-10		Station:	St.2		Date:	2011/12/7		Latitude:	22	59.65N		Depth:	5454m
Leg:	1		Cast:	C4 (Middle)		Time:	00:53		Longitude:	160	00.20E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	27.1	***	***	***			10	26.773	34.921	4.41	0.07	
1	991	999	3.927	34.419	1.15	0.07	1.24		20	26.733	34.928	4.41	0.08	
2	748	754	5.153	34.169	1.45	0.07	1.54		30	26.618	35.056	4.43	0.09	
3	496	500	8.998	34.138	3.61	0.07	3.80		40	26.544	35.075	4.45	0.10	
4	398	401	11.402	34.282	4.13	0.06	4.33		50	26.366	35.151	4.47	0.12	
5	296	298	14.743	34.518	4.28	0.06	4.50	nd	75	25.054	35.223	4.70	0.19	
6	250	252	16.134	34.617	4.28	0.06	4.50	nd	100	21.025	35.029	4.81	0.38	
7	198	200	17.393	34.714	4.31	0.10	4.55	0.016	125	19.945	34.962	4.45	0.46	
8	991	1000	3.926	34.418	1.16	0.07			150	19.023	34.864	4.41	0.29	
9	991	1000	3.915	34.420	1.15	0.07			175	17.794	34.751	4.33	0.16	
10	991	1000	3.925	34.419	1.16	0.07			200	17.370	34.715	4.31	0.08	
11	749	755	5.135	34.173	1.43	0.07			250	15.942	34.605	4.27	0.05	
12	496	500	9.014	34.139	3.63	0.07			300	14.391	34.497	4.27	0.05	
13	496	500	9.019	34.139	3.63	0.07			400	11.263	34.275	4.12	0.06	
14	497	500	9.006	34.139	3.63	0.07			500	8.999	34.141	3.60	0.06	
15	399	402	11.301	34.280	4.15	0.06			600	6.959	34.082	2.66	0.07	
16	298	300	14.659	34.515	4.27	0.06			700	5.697	34.115	1.86	0.07	
17	297	299	14.734	34.519	4.28	0.06			800	4.726	34.225	1.17	0.07	
18	298	300	14.658	34.515	4.28	0.06			900	4.238	34.337	1.01	0.07	
19	199	200	17.399	34.715	4.31	0.09			1000	3.930	34.419	1.15	0.07	
20	198	199	17.398	34.715	4.32	0.09			1102	3.578	34.477	1.34	0.07	
21	198	200	17.399	34.716	4.31	0.09								
22	991	1000	3.918	34.419	1.15	0.07								
23	399	402	11.303	34.280	4.14	0.06								
24	253	254	16.063	34.614	4.29	0.06								

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Cruise:	KH-11-10		Station:	St.2		Date:	2011/12/7		Latitude:	23	00.00N		Depth:	5454m
Leg:	1		Cast:	C7 (Light_N)		Time:	12:03		Longitude:	159	59.88E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	26.8	***	***	***			10	26.783	34.912	4.40	0.10	
1	150	151	18.971	34.859	4.41	0.29			20	26.786	34.912	4.41	0.10	
2	149	150	18.974	34.860	4.41	0.30			30	26.636	35.053	4.43	0.11	
3	150	151	18.962	34.859	4.42	0.29			40	26.563	35.065	4.44	0.12	
4	151	152	18.940	34.858	4.41	0.29			50	26.447	35.111	4.45	0.14	
5	94	95	22.175	35.092	4.94	0.34			75	25.763	35.261	4.56	0.17	
6	95	95	22.164	35.092	4.95	0.32			100	22.012	35.087	4.90	0.29	
7	94	94	22.230	35.096	4.95	0.33			125	20.073	34.969	4.51	0.52	
8	94	94	22.251	35.098	4.94	0.30			150	19.070	34.870	4.42	0.29	
9	45	45	26.537	35.076	4.44	0.13			175	18.169	34.786	4.32	0.20	
10	45	45	26.538	35.076	4.43	0.13			200	17.585	34.734	4.31	0.15	
11	45	45	26.537	35.076	4.44	0.13			202	17.484	34.724	4.32	0.12	
12	45	46	26.533	35.078	4.44	0.13								
13	19	19	26.778	34.912	4.39	0.10								
14	20	20	26.778	34.912	4.40	0.10								
15	20	20	26.778	34.914	4.39	0.11								
16	19	19	26.778	34.914	4.39	0.10								
17	11	11	26.772	34.913	4.40	0.10								
18	11	11	26.772	34.914	4.41	0.10								
19	9	9	26.773	34.914	4.40	0.10								
20	10	10	26.770	34.914	4.40	0.10								
21	10	10	26.773	34.913	4.41	0.10								
22	10	10	26.777	34.913	4.40	0.11								
23	10	10	26.774	34.914	4.39	0.11								
24	11	11	26.772	34.914	4.39	0.12								

Cruise:	KH-11-10		Station:	St.2		Date:	2011/12/7		Latitude:	22 59.98N		Depth:	5486m
Leg:	1		Cast:	C8 (Inc.)		Time:	19:04		Longitude:	160 00.17E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	26.8	***	***	***			10	26.756	34.913	4.40	0.10
1	5441	5546	1.533	34.695	3.46	0.06			20	26.761	34.916	4.40	0.10
2	5441	5547	1.533	34.695	3.47	0.06			30	26.689	34.994	4.41	0.10
3	5442	5547	1.533	34.695	3.47	0.06			40	26.549	35.077	4.43	0.11
4	1976	1998	1.973	34.618	2.22	0.07			50	26.483	35.110	4.44	0.12
5	1484	1499	2.586	34.556	1.75	0.07			75	26.149	35.274	4.48	0.15
6	991	1000	3.866	34.437	1.23	0.07			100	21.945	35.084	4.90	0.30
7	991	1000	3.866	34.437	1.22	0.07			125	20.576	35.014	4.58	0.59
8	991	1000	3.865	34.437	1.23	0.07			150	19.747	34.944	4.41	0.40
9	397	400	11.671	34.300	4.14	0.06			175	18.661	34.828	4.39	0.23
10	199	200	16.796	34.665	4.36	0.06			200	17.763	34.742	4.34	0.12
11	124	124	20.053	34.969	4.46	0.47			250	16.112	34.617	4.30	0.05
12	124	124	20.265	34.988	4.47	0.53			300	14.802	34.528	4.28	0.06
13	124	125	20.411	35.002	4.49	0.57			400	11.684	34.302	4.16	0.06
14	101	102	21.538	35.062	4.87	0.40			500	8.868	34.133	3.54	0.06
15	100	101	21.567	35.065	4.81	0.42			600	6.782	34.080	2.56	0.07
16	10	10	26.721	34.920	4.40	0.08			700	5.223	34.168	1.46	0.07
17	10	10	26.719	34.919	4.42	0.08			800	4.534	34.263	1.09	0.07
18	10	10	26.719	34.919	4.41	0.08			900	4.123	34.379	1.08	0.07
19	10	10	26.720	34.919	4.41	0.08			1000	3.840	34.442	1.22	0.07
20	10	10	26.720	34.919	4.41	0.08			1200	3.277	34.513	1.50	0.07
21	10	10	26.721	34.919	4.40	0.08			1500	2.560	34.558	1.76	0.07
22	10	10	26.719	34.919	4.41	0.08			2000	1.998	34.616	2.20	0.07
23	10	10	26.719	34.919	4.42	0.08			2500	1.721	34.648	2.57	0.07
24	10	10	26.722	34.919	4.40	0.08			3000	1.579	34.665	2.84	0.07
#10 Miss Trigger									3500	1.500	34.677	3.06	0.07
									4000	1.457	34.685	3.28	0.07
									4500	1.453	34.690	3.46	0.06
									5000	1.474	34.694	3.57	0.07
									5500	1.527	34.695	3.63	0.06
									5545	1.533	34.695	3.61	0.06

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Cruise:	KH-11-10		Station:	St.3		Date:	2011/12/8		Latitude:	23	00.09N		Depth:	5806m
Leg:	1		Cast:	C1 (Shallow)		Time:	21:00		Longitude:	164	59.94E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	27.8	***	***	***	4.57	0.047	10	27.355	35.122	4.34	0.10	
1	119	120	24.144	35.350	4.40	0.73		0.211	20	27.357	35.122	4.35	0.11	
2	148	149	22.075	35.251	4.07	0.19	4.29	0.049	30	27.360	35.122	4.34	0.12	
3	123	124	23.833	35.353	4.31	0.68	4.52	0.215	40	27.364	35.124	4.34	0.13	
4	97	98	25.540	35.348	4.55	0.35	4.83	0.161	50	27.367	35.125	4.34	0.14	
5	73	74	27.360	35.122	4.34	0.14	4.57	分析ミス	75	27.369	35.125	4.34	0.15	
6	48	49	27.361	35.122	4.34	0.11	4.57	0.044	100	25.474	35.353	4.55	0.35	
7	30	30	27.359	35.122	4.35	0.12	4.57	0.047	125	23.879	35.355	4.34	0.65	
8	19	19	27.357	35.122	4.35	0.11	4.58	0.044	150	22.175	35.259	4.06	0.21	
9	9	9	27.356	35.122	4.34	0.10	4.58	0.046	175	21.118	35.173	4.13	0.09	
10	5	5	27.355	35.122	4.34	0.10	4.59	0.047	200	20.133	35.074	4.13	0.07	
11	118	119	24.147	35.350	4.42	0.75			201	20.125	35.072	4.12	0.07	
12	119	119	24.143	35.350	4.41	0.78								
13	149	150	22.038	35.249	4.06	0.17								
14	149	150	22.019	35.248	4.07	0.18								
15	98	99	25.573	35.349	4.58	0.37								
16	98	98	25.577	35.349	4.58	0.38								
17	73	74	27.360	35.122	4.34	0.14								
18	73	74	27.364	35.122	4.34	0.13								
19	48	49	27.361	35.122	4.35	0.11								
20	49	49	27.362	35.122	4.34	0.11								
21	30	30	27.359	35.122	4.34	0.12								
22	30	30	27.359	35.122	4.36	0.12								
23	10	10	27.355	35.121	4.34	0.10								
24	9	9	27.354	35.122	4.35	0.10								

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Cruise:	KH-11-10		Station:	St.3		Date:	2011/12/9		Latitude:	23 00.08N		Depth:	5693m
Leg:	1		Cast:	C3 (Deep)		Time:	00:27		Longitude:	164 59.96E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	-	***	***	***			5	27.400	35.123	4.34	0.08
1	5804	5921	1.522	34.698	3.58	0.06	4.11		10	27.399	35.123	4.35	0.08
2	4912	5001	1.461	34.694	3.53	0.06	3.92		20	27.374	35.122	4.35	0.09
3	3939	4001	1.493	34.682	3.17	0.06	3.49		30	27.365	35.122	4.34	0.09
4	2961	3001	1.601	34.665	2.77	0.06	3.05		40	27.365	35.122	4.33	0.10
5	2471	2501	1.724	34.651	2.55	0.07	2.79		50	27.365	35.122	4.33	0.11
6	1978	2000	1.992	34.620	2.18	0.07	2.34		75	27.366	35.122	4.36	0.12
7	1484	1499	2.653	34.558	1.72	0.07	1.86		100	25.574	35.354	4.57	0.31
8	992	1000	3.889	34.399	1.06	0.07	1.16		125	23.538	35.341	4.22	0.66
9	744	750	4.974	34.209	1.16	0.07	1.23		150	21.627	35.219	4.11	0.15
10	496	500	9.005	34.131	3.58	0.06	3.79		175	20.581	35.130	4.11	0.09
11	397	400	11.797	34.292	4.11	0.06	4.31		200	19.065	34.955	4.03	0.07
12	297	299	15.118	34.539	4.23	0.06	4.46	nd	250	16.250	34.639	4.13	0.05
13	248	250	17.100	34.732	4.06	0.06	4.27	nd	300	14.981	34.529	4.24	0.05
14	200	201	19.240	34.975	3.99	0.07	4.20	0.010	400	11.582	34.279	4.10	0.06
15	1978	2000	1.995	34.620	2.17	0.07			500	8.881	34.128	3.54	0.06
16	991	1000	3.890	34.400	1.05	0.07			600	6.460	34.088	2.26	0.07
17	496	500	9.025	34.133	3.59	0.06			700	5.370	34.159	1.43	0.07
18	200	202	19.239	34.975	3.99	0.07			800	4.692	34.258	1.03	0.07
19	200	201	19.241	34.975	3.99	0.07			900	4.309	34.335	0.98	0.07
20	249	251	17.058	34.731	4.05	0.06			1000	3.974	34.412	1.09	0.07
21	10	10	27.354	35.112	4.36	0.10			1200	3.415	34.502	1.41	0.07
22	496	499	9.034	34.133	3.59	0.06			1500	2.683	34.555	1.70	0.07
23	4913	5002	1.461	34.694	3.51	0.06			2000	1.985	34.621	2.20	0.07
24	6	6	27.358	35.112	4.36	0.10			2500	1.732	34.651	2.56	0.07
									3000	1.608	34.665	2.79	0.07
									3500	1.539	34.675	2.99	0.06
									4000	1.493	34.683	3.18	0.07
									4500	1.459	34.689	3.40	0.06
									5000	1.458	34.694	3.58	0.06
									5500	1.478	34.697	3.72	0.06
									5920	1.522	34.698	3.76	0.06

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Cruise:	KH-11-10		Station:	St.4		Date:	2011/12/10		Latitude:	23	00.51N		Depth:	5900m
Leg:	1		Cast:	C1 (Suzuki)		Time:	05:05		Longitude:	169	59.87E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	27.0	***	***	***			5	26.396	35.295	4.46	0.09	
1	109	110	18.991	34.857	4.83	0.74			10	26.420	35.291	4.43	0.10	
2	109	110	18.994	34.855	4.82	0.79			20	26.300	35.318	4.45	0.10	
3	109	110	18.993	34.856	4.82	0.74			30	26.245	35.331	4.45	0.11	
4	109	109	18.990	34.854	4.83	0.78			40	26.222	35.349	4.45	0.12	
5	109	110	18.985	34.854	4.81	0.78			50	26.149	35.382	4.50	0.13	
6	109	110	18.971	34.854	4.79	0.80			75	21.758	35.114	5.06	0.26	
7	109	110	18.976	34.852	4.78	0.80			100	19.355	34.891	4.89	0.57	
8	109	110	18.959	34.853	4.82	0.79			125	18.193	34.762	4.77	0.49	
9	109	110	18.955	34.852	4.76	0.79			150	17.324	34.704	4.63	0.17	
10	109	109	18.973	34.853	4.83	0.76			161	16.986	34.673	4.63	0.10	
11	109	110	18.970	34.854	4.83	0.76								
12	109	109	18.971	34.853	4.83	0.79								
13	5	5	26.403	35.292	4.44	0.11								
14	5	5	26.401	35.293	4.44	0.11								
15	5	5	26.395	35.294	4.43	0.10								
16	5	5	26.400	35.293	4.44	0.10								
17	5	5	26.401	35.293	4.43	0.10								
18	5	5	26.404	35.292	4.42	0.10								
19	5	5	26.404	35.292	4.45	0.11								
20	5	5	26.405	35.292	4.43	0.10								
21	6	6	26.404	35.292	4.42	0.10								
22	5	5	26.403	35.292	4.44	0.10								
23	5	5	26.404	35.292	4.43	0.10								
24	5	5	26.403	35.292	4.44	0.10								

Cruise:	KH-11-10		Station:	St.4		Date:	2011/12/10		Latitude:	23 00.05N		Depth:	6112m
Leg:	1		Cast:	C2 (Deep)		Time:	06:02		Longitude:	169 59.93E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	26.7	***	***	***			5	26.396	35.287	4.44	0.10
1	5783	5900	1.500	34.699	3.66	0.06	4.13		10	26.326	35.302	4.43	0.12
2	4912	5001	1.459	34.694	3.53	0.06	3.90		20	26.243	35.313	4.44	0.11
3	3938	4000	1.490	34.683	3.17	0.06	3.48		30	26.239	35.323	4.45	0.11
4	2959	2999	1.605	34.666	2.76	0.07	3.01		40	26.225	35.329	4.43	0.12
5	2470	2501	1.733	34.651	2.53	0.07	2.75		50	26.193	35.365	4.47	0.13
6	1977	1999	1.989	34.623	2.19	0.07	2.40		75	22.007	35.144	5.06	0.24
7	1484	1499	2.621	34.561	1.74	0.07	1.86		100	19.498	34.903	4.90	0.49
8	991	1000	3.890	34.429	1.12	0.07	1.29		125	18.366	34.790	4.74	0.60
9	743	749	5.031	34.263	1.07	0.07	1.13		150	17.387	34.710	4.63	0.17
10	496	499	8.127	34.099	3.10	0.07	3.22		175	16.722	34.659	4.57	0.06
11	397	399	10.667	34.232	4.17	0.06	4.35		200	16.198	34.630	4.45	0.05
12	297	299	13.613	34.416	4.30	0.06	4.54	nd	250	14.839	34.518	4.43	0.05
13	248	250	15.159	34.542	4.42	0.06	4.65	nd	300	13.336	34.399	4.33	0.05
14	198	199	16.569	34.647	4.55	0.06	4.77	nd	400	11.087	34.263	4.24	0.06
15	1976	1998	1.989	34.623	2.19	0.07			500	8.196	34.103	3.17	0.06
16	992	1001	3.884	34.429	1.11	0.07			600	6.400	34.115	2.00	0.07
17	496	500	8.121	34.100	3.09	0.07			700	5.314	34.228	1.18	0.07
18	198	199	16.599	34.648	4.54	0.06			800	4.717	34.307	1.00	0.07
19	198	199	16.592	34.647	4.53	0.06			900	4.189	34.372	0.99	0.07
20	113	114	19.024	34.859	4.86	0.80			1000	3.810	34.436	1.13	0.07
21	113	114	19.058	34.863	4.84	0.75			1200	3.309	34.497	1.36	0.07
22	496	499	8.126	34.100	3.10	0.07			1500	2.619	34.560	1.72	0.07
23	4913	5002	1.459	34.694	3.54	0.06			2000	1.967	34.625	2.24	0.07
24	3938	4000	1.490	34.683	3.16	0.06			2500	1.712	34.653	2.58	0.07
									3000	1.595	34.666	2.81	0.07
									3500	1.531	34.676	3.00	0.07
									4000	1.487	34.683	3.21	0.06
									4500	1.459	34.690	3.41	0.06
									5000	1.459	34.694	3.60	0.06
									5500	1.475	34.698	3.72	0.06
									5950	1.504	34.699	3.82	0.06

Cruise:	KH-11-10		Station:	St.4		Date:	2011/12/10		Latitude:	23	00.00N		Depth:	5899m
Leg:	1		Cast:	C3 (Gas)		Time:	13:07		Longitude:	169	59.99E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	26.4	***	***	***			5	26.264	35.297	4.44	0.11	
1	1485	1500	2.640	34.558	1.71	0.07			10	26.267	35.297	4.42	0.10	
2	1236	1248	3.137	34.512	1.44	0.07			20	26.239	35.330	4.44	0.11	
3	989	998	3.866	34.429	1.11	0.07			30	26.210	35.333	4.44	0.12	
4	891	899	4.156	34.372	0.99	0.07			40	26.200	35.354	4.46	0.12	
5	792	798	4.782	34.297	1.00	0.07			50	25.871	35.380	4.56	0.14	
6	743	749	5.169	34.258	1.08	0.07			75	21.244	35.075	5.02	0.26	
7	693	699	5.476	34.192	1.30	0.07			100	19.434	34.902	4.84	0.60	
8	594	599	6.297	34.117	1.88	0.07			125	18.182	34.759	4.74	0.49	
9	495	498	8.087	34.097	3.07	0.07			150	17.621	34.741	4.60	0.24	
10	398	401	10.732	34.236	4.18	0.06			175	16.991	34.675	4.62	0.10	
11	298	300	13.159	34.387	4.35	0.06			200	16.396	34.638	4.54	0.06	
12	246	248	14.679	34.501	4.43	0.06			250	14.787	34.515	4.43	0.05	
13	198	199	16.142	34.612	4.52	0.06			300	13.363	34.402	4.33	0.06	
14	148	149	17.258	34.695	4.63	0.13			400	10.748	34.240	4.20	0.06	
15	106	107	18.409	34.786	4.78	0.55			500	8.088	34.100	3.11	0.06	
16	122	122	17.829	34.736	4.62	0.38			600	6.404	34.114	2.04	0.07	
17	98	98	18.983	34.879	4.62	0.69			700	5.486	34.192	1.32	0.07	
18	74	75	20.839	35.031	4.98	0.30			800	4.859	34.292	1.01	0.07	
19	48	49	24.341	35.270	4.92	0.16			900	4.187	34.367	0.98	0.07	
20	28	28	26.224	35.329	4.44	0.12			1000	3.892	34.428	1.10	0.07	
21	20	20	26.262	35.308	4.43	0.11			1200	3.267	34.501	1.38	0.07	
22	9	9	26.253	35.294	4.44	0.11			1500	2.639	34.558	1.71	0.07	
23	3	3	26.266	35.294	4.45	0.10			1501	2.639	34.559	1.71	0.07	
24	398	400	10.736	34.237	4.18	0.06								

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Cruise:	KH-11-10		Station:	St.4B		Date:	2011/12/11		Latitude:	23 00.10N		Depth:	5727m
Leg:	1		Cast:	C1 (Deep)		Time:	12:25		Longitude:	174 54.72E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	26.6	***	***	***			10	26.312	35.320	4.41	0.13
1	5338	5440	1.456	34.698	3.61	0.06	4.10		20	26.315	35.320	4.42	0.14
2	3937	4000	1.441	34.686	3.25	0.06	3.58		30	26.320	35.320	4.42	0.14
3	2960	2999	1.561	34.667	2.80	0.07	3.06		40	26.320	35.320	4.42	0.14
4	2471	2501	1.720	34.647	2.43	0.07	2.65		50	26.319	35.319	4.43	0.14
5	1978	2000	2.082	34.614	2.05	0.07	2.25		75	26.014	35.347	4.60	0.21
6	1486	1500	2.921	34.554	1.59	0.07	1.73		100	22.863	35.336	4.53	0.58
7	992	1000	4.127	34.457	1.18	0.07	1.49		125	21.398	35.243	4.32	0.41
8	744	750	5.129	34.220	1.11	0.07	1.14		150	19.706	35.064	4.21	0.18
9	497	501	8.578	34.146	2.78	0.07	2.88		175	18.455	34.937	4.18	0.09
10	398	401	11.007	34.232	4.12	0.06	4.37		200	17.240	34.778	4.30	0.06
11	299	301	14.190	34.455	4.31	0.06	4.56	nd	250	15.669	34.589	4.39	0.05
12	249	251	15.955	34.614	4.44	0.06	4.69	nd	300	14.251	34.462	4.33	0.05
13	198	200	17.877	34.860	4.23	0.08	4.55	0.012	400	11.039	34.235	4.19	0.06
14	200	202	17.833	34.855	4.23	0.07			500	8.525	34.150	2.72	0.06
15	198	200	17.880	34.862	4.22	0.07			600	6.576	34.108	2.07	0.07
16	4911	5000	1.416	34.697	3.62	0.06	4.02		700	5.502	34.194	1.28	0.07
17	4912	5001	1.416	34.697	3.62	0.06			800	4.806	34.267	0.95	0.07
18	4911	5000	1.416	34.697	3.62	0.06			900	4.185	34.347	0.84	0.07
19	3937	4000	1.441	34.686	3.26	0.06			1000	4.079	34.470	1.22	0.07
20	2960	3000	1.561	34.667	2.80	0.07			1200	3.450	34.522	1.42	0.07
21	2470	2500	1.721	34.647	2.43	0.07			1500	2.843	34.559	1.62	0.07
22	1978	2001	2.082	34.614	2.05	0.07			2000	2.052	34.617	2.08	0.07
23	1486	1501	2.920	34.554	1.59	0.07			2500	1.715	34.647	2.46	0.07
24	398	401	11.009	34.232	4.12	0.06			3000	1.584	34.665	2.80	0.07
									3500	1.498	34.677	3.04	0.07
									4000	1.439	34.686	3.29	0.06
									4500	1.409	34.693	3.56	0.06
									5000	1.415	34.697	3.70	0.06
									5441	1.456	34.698	3.77	0.06

Cruise:	KH-11-10		Station:	St.4B		Date:	2011/12/11		Latitude:	23	00.06N		Depth:	5340m
Leg:	1		Cast:	C2 (Shallow)		Time:	19:24		Longitude:	174	54.92E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	26.4	***	***	***	4.66	0.054	2	26.250	35.318	4.42	0.12	
1	109	110	22.367	35.319	4.45	0.60		0.204	5	26.250	35.318	4.41	0.12	
2	150	151	20.096	35.090	4.31	0.25	4.55	0.080	10	26.254	35.318	4.41	0.12	
3	124	125	21.554	35.261	4.34	0.48	4.59	0.161	20	26.258	35.318	4.42	0.12	
4	100	101	23.734	35.372	4.61	0.41	4.85	0.165	30	26.263	35.318	4.42	0.12	
5	75	76	26.274	35.316	4.41	0.14	4.67	0.059	40	26.263	35.318	4.42	0.12	
6	49	50	26.269	35.317	4.42	0.13	4.71	0.059	50	26.271	35.317	4.42	0.12	
7	30	30	26.263	35.317	4.42	0.12	4.67	0.058	75	26.271	35.318	4.41	0.14	
8	19	20	26.261	35.317	4.42	0.12	4.69	0.054	100	23.666	35.378	4.58	0.37	
9	10	10	26.258	35.317	4.42	0.11	4.68	0.058	125	21.526	35.261	4.35	0.48	
10	5	5	26.252	35.318	4.43	0.10	4.66	0.059	150	20.118	35.094	4.34	0.24	
11	110	111	22.323	35.318	4.45	0.65			175	19.168	35.010	4.21	0.13	
12	111	111	22.308	35.317	4.45	0.61			200	17.966	34.872	4.23	0.07	
13	149	150	20.150	35.096	4.32	0.25			201	17.971	34.871	4.21	0.08	
14	150	151	20.153	35.097	4.32	0.26								
15	101	102	23.692	35.376	4.61	0.38								
16	100	101	23.718	35.376	4.61	0.39								
17	75	76	26.274	35.317	4.42	0.13								
18	75	75	26.274	35.317	4.41	0.12								
19	50	50	26.270	35.317	4.41	0.12								
20	50	51	26.270	35.317	4.41	0.12								
21	30	30	26.264	35.317	4.41	0.12								
22	30	30	26.263	35.317	4.42	0.12								
23	9	9	26.259	35.317	4.43	0.11								
24	10	10	26.262	35.317	4.42	0.11								

Cruise:	KH-11-10		Station:	St.4B		Date:	2011/12/11		Latitude:	22	59.99N		Depth:	5344m
Leg:	1		Cast:	C3 (Suzuki)		Time:	20:44		Longitude:	174	54.91E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	26.5	***	***	***			5	26.286	35.319	4.41	0.10	
1	109	110	22.582	35.321	4.48	0.64			10	26.287	35.319	4.42	0.09	
2	109	110	22.564	35.323	4.49	0.63			20	26.288	35.319	4.42	0.10	
3	110	111	22.570	35.322	4.48	0.65			30	26.290	35.319	4.42	0.10	
4	110	111	22.555	35.323	4.49	0.59			40	26.293	35.319	4.42	0.11	
5	109	109	22.638	35.327	4.50	0.64			50	26.294	35.319	4.42	0.11	
6	110	111	22.553	35.323	4.48	0.65			75	26.300	35.319	4.42	0.12	
7	109	110	22.599	35.324	4.47	0.65			100	23.787	35.376	4.58	0.35	
8	110	111	22.535	35.325	4.49	0.65			125	21.729	35.278	4.35	0.51	
9	110	110	22.566	35.323	4.48	0.65			150	20.119	35.108	4.27	0.24	
10	109	110	22.571	35.324	4.48	0.65			162	19.170	34.977	4.35	0.17	
11	109	110	22.556	35.323	4.47	0.66								
12	110	110	22.537	35.324	4.47	0.67								
13	4	4	26.289	35.320	4.42	0.09								
14	5	5	26.290	35.319	4.41	0.09								
15	6	6	26.290	35.319	4.41	0.09								
16	4	4	26.289	35.319	4.41	0.08								
17	5	5	26.290	35.319	4.42	0.11								
18	5	5	26.289	35.319	4.42	0.09								
19	5	5	26.289	35.319	4.41	0.09								
20	5	5	26.289	35.319	4.42	0.08								
21	5	5	26.289	35.319	4.42	0.08								
22	5	5	26.289	35.319	4.41	0.09								
23	4	4	26.289	35.319	4.42	0.09								
24	5	5	26.289	35.319	4.43	0.09								

Cruise:	KH-11-10		Station:	St.4B		Date:	2011/12/11		Latitude:	23	00.56N		Depth:	5363m
Leg:	1		Cast:	C4 (Light)		Time:	22:35		Longitude:	174	53.90E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	26.8	***	***	***			5	26.295	35.320	4.42	0.08	
1	146	147	20.215	35.120	4.27	0.26			10	26.295	35.320	4.42	0.08	
2	147	148	20.291	35.129	4.28	0.29			20	26.296	35.320	4.42	0.09	
3	147	148	20.272	35.129	4.27	0.29			30	26.297	35.320	4.42	0.10	
4	101	101	22.629	35.325	4.49	0.62			40	26.299	35.320	4.41	0.11	
5	100	101	22.658	35.327	4.49	0.66			50	26.292	35.319	4.42	0.11	
6	101	102	22.673	35.327	4.48	0.65			75	26.282	35.319	4.41	0.13	
7	101	102	22.652	35.327	4.46	0.65			100	23.563	35.376	4.59	0.41	
8	40	40	26.284	35.318	4.42	0.13			125	21.851	35.288	4.38	0.53	
9	40	40	26.286	35.318	4.43	0.12			150	20.366	35.141	4.28	0.32	
10	40	40	26.286	35.318	4.41	0.12			175	18.976	34.946	4.39	0.15	
11	40	40	26.285	35.318	4.41	0.12			200	17.842	34.854	4.24	0.07	
12	17	17	26.299	35.319	4.41	0.10			201	17.717	34.838	4.24	0.07	
13	16	17	26.299	35.319	4.43	0.09								
14	17	17	26.298	35.319	4.43	0.10								
15	15	15	26.298	35.319	4.42	0.09								
16	5	5	26.309	35.319	4.43	0.08								
17	5	5	26.309	35.320	4.41	0.08								
18	4	4	26.310	35.320	4.42	0.08								
19	3	3	26.311	35.320	4.42	0.08								
20	4	4	26.309	35.320	4.42	0.07								
21	4	4	26.309	35.320	4.42	0.09								
22	4	4	26.310	35.320	4.42	0.08								
23	4	4	26.309	35.320	4.43	0.08								
24	4	4	26.309	35.320	4.42	0.08								

Cruise:	KH-11-10		Station:	St.5		Date:	2011/12/12		Latitude:	23	00.02N		Depth:	5293m
Leg:	1		Cast:	C1 (Light_D)		Time:	20:37		Longitude:	179	59.77E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	26.6	***	***	***			5	26.342	35.312	4.41	0.11	
1	151	152	20.400	35.123	4.33	0.23			10	26.348	35.311	4.40	0.12	
2	151	152	20.395	35.123	4.34	0.22			20	26.349	35.311	4.40	0.13	
3	151	152	20.358	35.117	4.35	0.23			30	26.350	35.311	4.41	0.13	
4	151	152	20.347	35.115	4.36	0.23			40	26.351	35.312	4.40	0.13	
5	151	152	20.376	35.120	4.35	0.25			50	26.351	35.312	4.40	0.13	
6	95	96	26.333	35.313	4.40	0.16			75	26.352	35.312	4.39	0.14	
7	95	96	26.332	35.313	4.41	0.16			100	24.879	35.367	4.69	0.38	
8	94	95	26.326	35.313	4.41	0.18			125	22.352	35.278	4.57	0.59	
9	95	95	26.327	35.314	4.41	0.17			150	20.460	35.132	4.31	0.23	
10	95	96	26.333	35.313	4.39	0.16			175	19.160	35.005	4.25	0.12	
11	35	35	26.353	35.311	4.41	0.13			200	18.434	34.935	4.20	0.07	
12	37	37	26.354	35.311	4.41	0.12			202	18.424	34.934	4.19	0.07	
13	37	37	26.354	35.311	4.41	0.12								
14	37	38	26.354	35.311	4.41	0.12								
15	37	37	26.354	35.311	4.40	0.12								
16	19	20	26.352	35.311	4.41	0.12								
17	20	20	26.353	35.310	4.40	0.12								
18	19	19	26.354	35.310	4.41	0.12								
19	20	20	26.353	35.310	4.41	0.12								
20	4	5	26.352	35.311	4.41	0.11								
21	4	4	26.352	35.311	4.41	0.11								
22	4	4	26.351	35.311	4.41	0.12								
23	4	5	26.352	35.311	4.40	0.11								
24	3	3	26.352	35.311	4.41	0.12								

Cruise:	KH-11-10		Station:	St.5		Date:	2011/12/12		Latitude:	22 59.84N		Depth:	5293m
Leg:	1		Cast:	C2 (Inc.)		Time:	21:55		Longitude:	179 59.91E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	26.5	***	***	***			5	26.348	35.311	4.40	0.11
1	1978	2000	2.063	34.617	2.06	0.07			10	26.346	35.311	4.41	0.11
2	991	1000	3.788	34.437	1.02	0.07			20	26.346	35.311	4.41	0.11
3	992	1001	3.787	34.438	1.02	0.07			30	26.342	35.312	4.42	0.12
4	992	1001	3.787	34.438	1.02	0.07			40	26.341	35.312	4.41	0.13
5	397	400	11.414	34.246	4.18	0.06			50	26.339	35.313	4.41	0.13
6	198	200	17.913	34.871	4.23	0.07			75	26.338	35.314	4.41	0.15
7	123	124	21.709	35.227	4.54	0.38			100	24.250	35.367	4.71	0.44
8	123	124	21.823	35.239	4.56	0.43			125	22.500	35.289	4.58	0.60
9	123	124	21.867	35.243	4.56	0.47			150	21.016	35.168	4.51	0.30
10	97	98	24.967	35.359	4.68	0.44			175	19.646	35.047	4.30	0.16
11	100	101	24.657	35.374	4.68	0.41			200	18.414	34.932	4.20	0.07
12	9	9	26.374	35.312	4.41	0.10			250	16.326	34.675	4.35	0.05
13	9	9	26.373	35.312	4.42	0.10			300	14.568	34.489	4.31	0.05
14	9	9	26.372	35.312	4.43	0.10			400	11.198	34.239	4.21	0.06
15	9	9	26.370	35.312	4.42	0.10			500	8.429	34.102	3.35	0.06
16	9	9	26.371	35.312	4.42	0.10			600	6.337	34.085	2.11	0.07
17	9	9	26.375	35.312	4.42	0.10			700	5.084	34.155	1.26	0.07
18	9	9	26.370	35.312	4.42	0.10			800	4.460	34.270	0.88	0.07
19	10	10	26.371	35.312	4.41	0.10			900	4.102	34.371	0.88	0.07
20	9	9	26.374	35.312	4.42	0.10			1000	3.783	34.438	1.01	0.07
21	9	9	26.364	35.312	4.42	0.11			1200	3.366	34.516	1.36	0.07
22	9	9	26.375	35.312	4.42	0.10			1500	2.717	34.570	1.68	0.07
23	9	9	26.372	35.312	4.42	0.10			2000	2.060	34.617	2.07	0.07
24	9	9	26.376	35.312	4.42	0.10			2104	1.978	34.624	2.15	0.07

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Cruise:	KH-11-10		Station:	St.5		Date:	2011/12/13		Latitude:	22 59.95N		Depth:	5296m
Leg:	1		Cast:	C4 (Deep)		Time:	02:51		Longitude:	179 59.86E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	26.4	***	***	***			5	26.446	35.313	4.41	0.10
1	5273	5373	1.461	34.697	3.56	0.06	4.05		10	26.444	35.313	4.42	0.11
2	4912	5001	1.430	34.696	3.57	0.06	4.00		20	26.439	35.313	4.41	0.11
3	3938	4001	1.440	34.686	3.24	0.06	3.57		30	26.407	35.310	4.39	0.12
4	2959	2999	1.575	34.665	2.75	0.06	3.00		40	26.392	35.310	4.40	0.14
5	2470	2501	1.737	34.647	2.43	0.07	2.65		50	26.382	35.310	4.41	0.21
6	1978	2000	2.028	34.620	2.10	0.07	2.26		75	26.346	35.312	4.40	0.18
7	1486	1501	2.718	34.570	1.68	0.07	1.80		100	23.654	35.337	4.69	0.58
8	5273	5373	1.461	34.697	3.57	0.06			125	21.497	35.210	4.55	0.36
9	5273	5373	1.461	34.697	3.57	0.06			150	20.196	35.092	4.41	0.20
10	5273	5373	1.461	34.697	3.56	0.06			175	19.010	34.990	4.23	0.11
11	5273	5373	1.461	34.697	3.58	0.06			200	17.593	34.837	4.25	0.06
12	4911	5000	1.430	34.696	3.56	0.06			250	15.273	34.562	4.28	0.05
13	4911	5000	1.430	34.696	3.57	0.06			300	13.746	34.415	4.31	0.05
14	4912	5001	1.430	34.696	3.57	0.06			400	10.976	34.221	4.14	0.06
15	3939	4001	1.440	34.686	3.24	0.06			500	8.518	34.104	3.36	0.06
16	3938	4001	1.440	34.686	3.23	0.06			600	6.384	34.084	2.15	0.06
17	2960	3000	1.576	34.665	2.76	0.06			700	5.141	34.154	1.28	0.07
18	2959	2999	1.576	34.665	2.76	0.06			800	4.523	34.263	0.91	0.07
19	2959	2999	1.576	34.665	2.75	0.06			900	4.126	34.339	0.83	0.07
20	1979	2001	2.027	34.620	2.09	0.07			1000	3.849	34.427	0.98	0.07
21	1979	2001	2.025	34.620	2.10	0.07			1200	3.393	34.512	1.34	0.07
22	1980	2002	2.025	34.620	2.10	0.07			1500	2.846	34.562	1.63	0.07
23	1981	2003	2.025	34.620	2.10	0.07			2000	2.048	34.618	2.08	0.07
24	1486	1501	2.718	34.570	1.68	0.07			2500	1.720	34.648	2.48	0.07
									3000	1.560	34.666	2.80	0.07
									3500	1.479	34.678	3.06	0.06
									4000	1.439	34.686	3.28	0.06
									4500	1.424	34.692	3.49	0.06
									5000	1.430	34.696	3.66	0.06
									5374	1.461	34.697	3.75	0.06

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Cruise:	KH-11-10		Station:	St.5		Date:	2011/12/13		Latitude:	22	59.92N		Depth:	5297m
Leg:	1		Cast:	C6 (Light_N)		Time:	10:59		Longitude:	179	59.96E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	26.1	***	***	***			5	26.438	35.318	4.40	0.14	
1	149	150	20.369	35.107	4.44	0.20			10	26.445	35.318	4.40	0.14	
2	152	153	20.199	35.093	4.42	0.20			20	26.448	35.318	4.40	0.14	
3	151	152	20.328	35.103	4.45	0.19			30	26.447	35.318	4.40	0.14	
4	152	153	20.201	35.092	4.43	0.20			40	26.444	35.318	4.39	0.14	
5	94	94	23.646	35.350	4.57	0.59			50	26.444	35.317	4.39	0.15	
6	94	95	23.636	35.350	4.58	0.59			75	26.163	35.321	4.44	0.27	
7	94	95	23.629	35.349	4.58	0.59			100	23.490	35.343	4.56	0.62	
8	94	94	23.653	35.351	4.58	0.60			125	22.194	35.274	4.51	0.48	
9	36	37	26.445	35.317	4.39	0.15			150	20.570	35.130	4.45	0.23	
10	37	37	26.439	35.318	4.39	0.14			175	19.661	35.046	4.33	0.16	
11	38	38	26.445	35.318	4.40	0.14			200	18.683	34.963	4.18	0.08	
12	38	38	26.446	35.318	4.41	0.15			203	18.611	34.955	4.18	0.07	
13	21	21	26.439	35.318	4.40	0.15								
14	21	21	26.439	35.318	4.40	0.14								
15	21	21	26.436	35.318	4.40	0.15								
16	21	21	26.436	35.318	4.40	0.15								
17	5	5	26.435	35.317	4.40	0.16								
18	5	5	26.432	35.318	4.41	0.15								
19	5	5	26.430	35.318	4.40	0.15								
20	5	5	26.431	35.318	4.40	0.16								
21	5	5	26.432	35.318	4.40	0.16								
22	5	5	26.426	35.318	4.40	0.16								
23	5	5	26.430	35.318	4.40	0.16								
24	5	5	26.430	35.318	4.41	0.16								

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Cruise:	KH-11-10		Station:	St.5		Date:	2011/12/13		Latitude:	23 00.01N		Depth:	5302m
Leg:	1		Cast:	C9 (Middle)		Time:	19:56		Longitude:	179 59.99W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	26.6	***	***	***			5	26.396	35.320	4.39	0.13
1	991	1000	3.880	34.427	1.00	0.07	1.06		10	26.397	35.320	4.40	0.13
2	743	749	4.860	34.211	1.05	0.07	1.13		20	26.398	35.320	4.38	0.13
3	495	499	9.031	34.124	3.46	0.06	3.62		30	26.399	35.320	4.39	0.13
4	396	399	11.333	34.242	4.23	0.06	4.39		40	26.402	35.320	4.39	0.14
5	298	300	14.204	34.451	4.27	0.05	4.52	nd	50	26.401	35.320	4.39	0.14
6	248	250	16.149	34.657	4.32	0.05	4.54	nd	75	26.384	35.320	4.41	0.17
7	198	199	18.387	34.926	4.22	0.07	4.44	0.013	100	24.108	35.353	4.64	0.44
8	991	1000	3.880	34.427	0.99	0.07			125	22.051	35.255	4.57	0.51
9	991	1000	3.880	34.427	1.00	0.07			150	20.337	35.101	4.45	0.21
10	991	1000	3.880	34.427	1.00	0.07			175	19.387	35.020	4.30	0.13
11	743	750	4.869	34.206	1.05	0.07			200	18.276	34.912	4.23	0.07
12	495	499	9.012	34.123	3.47	0.06			250	16.054	34.648	4.28	0.05
13	495	499	8.999	34.124	3.47	0.06			300	14.113	34.446	4.30	0.05
14	495	499	9.015	34.124	3.47	0.06			400	11.036	34.225	3.89	0.06
15	396	399	11.370	34.246	4.22	0.06			500	8.783	34.119	3.38	0.06
16	300	302	14.219	34.454	4.28	0.06			600	6.740	34.076	2.39	0.06
17	299	301	14.254	34.457	4.29	0.05			700	5.355	34.120	1.50	0.07
18	300	302	14.260	34.458	4.28	0.06			800	4.672	34.249	0.96	0.07
19	198	199	18.654	34.951	4.22	0.09			900	4.159	34.338	0.84	0.07
20	198	200	18.651	34.951	4.21	0.09			1000	3.880	34.428	0.99	0.07
21	198	199	18.652	34.951	4.21	0.09			1012	3.851	34.434	1.01	0.07
22	249	250	16.384	34.683	4.31	0.05							
23	744	750	4.872	34.205	1.05	0.07							
24	991	1000	3.880	34.427	1.00	0.07							

Cruise:	KH-11-10		Station:	St.5		Date:	2011/12/13		Latitude:	23	00.02N		Depth:	5302m
Leg:	1		Cast:	C10 (Shallow)		Time:	22:48		Longitude:	179	59.99W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	26.7	***	***	***	4.64	0.052	5	26.424	35.324	4.42	0.08	
1	119	119	23.388	35.332	4.52	0.65		0.228	10	26.414	35.324	4.41	0.08	
2	149	150	20.795	35.149	4.45	0.24	4.67	0.082	20	26.410	35.324	4.41	0.09	
3	124	124	22.942	35.307	4.62	0.65	4.82	0.215	30	26.410	35.324	4.40	0.09	
4	100	100	25.518	35.335	4.55	0.32	4.87	0.177	40	26.411	35.324	4.40	0.10	
5	74	75	26.358	35.321	4.41	0.15	4.65	0.075	50	26.409	35.324	4.38	0.11	
6	51	51	26.406	35.323	4.41	0.12	4.66	0.056	75	26.341	35.320	4.40	0.16	
7	30	30	26.409	35.323	4.41	0.09	4.72	0.050	100	24.665	35.374	4.65	0.36	
8	19	19	26.414	35.324	4.40	0.09	4.63	0.049	125	22.314	35.274	4.56	0.55	
9	9	9	26.426	35.324	4.41	0.08	4.66	0.048	150	20.720	35.145	4.43	0.23	
10	5	5	26.481	35.325	4.40	0.09	4.64	0.048	175	19.412	35.028	4.23	0.14	
11	118	119	23.413	35.336	4.54	0.65			200	18.512	34.935	4.22	0.08	
12	118	119	23.412	35.336	4.55	0.65			203	18.365	34.922	4.22	0.08	
13	148	149	20.816	35.154	4.43	0.26								
14	148	149	20.809	35.153	4.44	0.25								
15	99	100	25.614	35.334	4.54	0.31								
16	99	100	25.671	35.331	4.54	1.54								
17	74	75	26.361	35.322	4.41	0.15								
18	73	73	26.361	35.322	4.40	0.15								
19	49	49	26.406	35.323	4.41	0.11								
20	49	50	26.407	35.323	4.40	0.12								
21	29	30	26.408	35.323	4.41	0.10								
22	30	30	26.410	35.323	4.42	0.09								
23	10	10	26.450	35.325	4.41	0.08								
24	10	10	26.453	35.324	4.40	0.08								

Cruise:	KH-11-10		Station:	St.5		Date:	2011/12/14		Latitude:	22	59.93N		Depth:	5298m
Leg:	1		Cast:	C11 (Takeda)		Time:	00:28		Longitude:	179	59.98E			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	26.8	***	***	***			5	26.436	35.325	4.40	0.09	
1	160	161	20.163	35.084	4.44	0.19			10	26.449	35.325	4.42	0.08	
2	156	157	20.370	35.105	4.45	0.20			20	26.405	35.325	4.41	0.09	
3	152	153	20.556	35.125	4.43	0.22			30	26.393	35.325	4.40	0.10	
4	147	148	20.641	35.135	4.44	0.21			40	26.367	35.324	4.42	0.11	
5	144	145	20.797	35.152	4.44	0.24			50	26.331	35.322	4.42	0.13	
6	140	141	21.171	35.183	4.45	0.29			75	26.213	35.324	4.42	0.19	
7	136	137	21.316	35.203	4.46	0.31			100	24.331	35.362	4.65	0.41	
8	132	133	21.763	35.238	4.48	0.39			125	22.431	35.292	4.47	0.63	
9	128	129	22.063	35.257	4.53	0.48			150	20.771	35.151	4.44	0.25	
10	126	126	22.331	35.283	4.50	0.50			175	19.567	35.036	4.30	0.14	
11	122	122	22.317	35.282	4.50	0.58			200	18.703	34.960	4.20	0.09	
12	119	120	22.409	35.285	4.53	0.63			202	18.642	34.955	4.23	0.07	
13	117	118	22.726	35.303	4.52	0.65								
14	115	115	22.951	35.317	4.52	0.70								
15	111	112	23.331	35.329	4.53	0.70								
16	107	108	23.391	35.333	4.55	0.70								
17	104	105	23.690	35.347	4.55	0.62								
18	100	101	24.181	35.354	4.63	0.48								
19	98	99	24.306	35.359	4.64	0.43								
20	93	93	25.251	35.336	4.60	0.36								
21	89	90	25.870	35.305	4.45	0.23								
22	83	84	25.999	35.311	4.43	0.23								
23	81	82	26.079	35.315	4.43	0.21								
24	76	76	26.186	35.321	4.43	0.23								

[illegible]

Cruise:	KH-11-10		Station:	St.6		Date:	2011/12/15		Latitude:	23	00.01N		Depth:	4626m
Leg:	1		Cast:	C2 (Light)		Time:	20:21		Longitude:	170	00.03W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.7	***	***	***			5	25.332	35.238	4.48	0.13	
1	132	132	21.854	35.198	4.20	0.23			10	25.329	35.238	4.49	0.13	
2	131	132	21.864	35.200	4.20	0.26			20	25.331	35.239	4.48	0.14	
3	132	133	21.842	35.199	4.21	0.25			30	25.330	35.238	4.47	0.18	
4	86	87	25.286	35.233	4.46	0.34			40	25.334	35.239	4.48	0.16	
5	87	87	25.299	35.234	4.46	0.32			50	25.335	35.238	4.48	0.17	
6	87	87	25.300	35.235	4.46	0.33			75	25.333	35.237	4.47	0.24	
7	86	86	25.289	35.236	4.46	0.34			100	23.857	35.227	4.46	0.64	
8	28	28	25.334	35.238	4.47	0.15			125	22.086	35.209	4.23	0.31	
9	28	28	25.334	35.238	4.48	0.15			150	20.667	35.133	4.11	0.11	
10	28	29	25.333	35.238	4.47	0.15			175	18.905	34.971	4.13	0.08	
11	29	29	25.333	35.238	4.48	0.16			200	17.520	34.815	4.24	0.06	
12	15	15	25.343	35.239	4.48	0.12			202	17.446	34.807	4.27	0.06	
13	14	14	25.335	35.239	4.48	0.12								
14	15	15	25.335	35.239	4.47	0.12								
15	14	15	25.357	35.239	4.48	0.12								
16	5	5	25.350	35.239	4.49	0.10								
17	5	5	25.351	35.239	4.47	0.10								
18	5	5	25.350	35.239	4.47	0.11								
19	6	6	25.349	35.239	4.48	0.11								
20	6	6	25.345	35.239	4.46	0.12								
21	6	6	25.349	35.239	4.48	0.10								
22	5	5	25.358	35.239	4.49	0.10								
23	6	6	25.384	35.240	4.49	0.11								
24	5	5	25.358	35.240	4.48	0.11								

Cruise:	KH-11-10		Station:	St.6		Date:	2011/12/15		Latitude:	22 59.98N		Depth:	4626m
Leg:	1		Cast:	C3 (Gas)		Time:	21:29		Longitude:	170 00.04W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	25.6	***	***	***			5	25.358	35.239	4.48	0.11
1	1485	1500	2.775	34.564	1.55	0.07			10	25.344	35.239	4.47	0.11
2	1237	1249	3.248	34.531	1.38	0.07			20	25.336	35.238	4.47	0.12
3	991	1000	3.944	34.451	1.03	0.07			30	25.335	35.239	4.48	0.15
4	891	899	4.234	34.399	0.91	0.07			40	25.336	35.239	4.47	0.16
5	793	799	4.608	34.331	0.86	0.07			50	25.337	35.239	4.48	0.17
6	692	698	5.130	34.210	1.05	0.07			75	25.333	35.237	4.46	0.26
7	595	599	6.082	34.119	1.60	0.07			100	23.911	35.232	4.45	0.65
8	495	499	7.185	34.090	2.32	0.07			125	22.216	35.217	4.23	0.39
9	395	398	10.125	34.148	3.82	0.06			150	20.585	35.130	4.11	0.12
10	298	300	13.758	34.373	4.18	0.06			175	18.931	34.972	4.13	0.08
11	248	250	15.828	34.601	4.24	0.05			200	17.525	34.814	4.24	0.06
12	198	199	18.152	34.885	4.18	0.07			250	15.157	34.525	4.28	0.05
13	103	104	23.572	35.233	4.42	0.68			300	12.775	34.293	4.11	0.05
14	149	150	20.946	35.154	4.15	0.13			400	9.918	34.145	3.79	0.06
15	123	124	22.146	35.211	4.23	0.33			500	7.476	34.090	2.60	0.06
16	99	100	24.314	35.244	4.49	0.75			600	6.157	34.116	1.68	0.07
17	75	76	25.328	35.239	4.47	0.29			700	5.127	34.211	1.10	0.07
18	49	50	25.340	35.238	4.48	0.18			800	4.613	34.331	0.87	0.07
19	30	30	25.349	35.240	4.48	0.14			900	4.244	34.390	0.89	0.07
20	21	21	25.355	35.241	4.48	0.11			1000	3.936	34.450	1.01	0.07
21	11	11	25.367	35.241	4.48	0.09			1200	3.343	34.514	1.26	0.07
22	5	5	25.467	35.243	4.48	0.09			1500	2.775	34.564	1.56	0.07
23	992	1001	3.940	34.451	1.03	0.07			1502	2.773	34.564	0.00	0.07
24	299	301	13.743	34.372	4.17	0.06							

Cruise:	KH-11-10		Station:	St.6		Date:	2011/12/15		Latitude:	22	58.70N		Depth:	4627m
Leg:	1		Cast:	C4 (Suzuki)		Time:	23:47		Longitude:	170	00.13W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.4	***	***	***			5	25.395	35.241	4.49	0.10	
1	108	109	23.179	35.239	4.38	0.59			10	25.393	35.241	4.48	0.09	
2	109	110	23.208	35.239	4.38	0.64			20	25.357	35.241	4.48	0.10	
3	110	111	23.146	35.240	4.37	0.62			30	25.351	35.241	4.48	0.12	
4	111	111	23.108	35.240	4.37	0.59			40	25.347	35.240	4.48	0.14	
5	111	111	23.106	35.241	4.38	0.59			50	25.347	35.240	4.47	0.16	
6	109	109	23.149	35.241	4.37	0.65			75	25.321	35.235	4.46	0.30	
7	109	110	23.176	35.239	4.38	0.58			100	24.667	35.251	4.47	0.52	
8	110	110	23.178	35.240	4.38	0.66			125	22.003	35.208	4.21	0.28	
9	109	110	23.150	35.240	4.37	0.62			150	20.416	35.118	4.11	0.10	
10	109	109	23.165	35.240	4.38	0.60			162	19.489	35.025	0.00	0.11	
11	110	111	23.142	35.240	4.37	0.65								
12	110	110	23.133	35.241	4.38	0.64								
13	5	5	25.526	35.244	4.48	0.09								
14	5	5	25.539	35.244	4.49	0.09								
15	5	5	25.533	35.244	4.47	0.09								
16	5	5	25.550	35.245	4.48	0.09								
17	5	5	25.542	35.245	4.48	0.09								
18	5	5	25.537	35.245	4.48	0.09								
19	5	5	25.530	35.245	4.48	0.09								
20	5	5	25.536	35.245	4.47	0.09								
21	6	6	25.538	35.245	4.48	0.09								
22	5	5	25.536	35.245	4.48	0.09								
23	5	5	25.519	35.245	4.48	0.09								
24	5	5	25.525	35.244	4.47	0.09								

Cruise:	KH-11-10		Station:	St.6		Date:	2011/12/16		Latitude:	22 59.87N		Depth:	4626m
Leg:	1		Cast:	C5 (Deep)		Time:	00:53		Longitude:	170 00.12W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	25.5	***	***	***			5	25.538	35.245	4.47	0.09
1	4587	4666	1.462	34.691	3.32	0.06	3.75		10	25.464	35.241	4.49	0.08
2	3938	4001	1.449	34.686	3.20	0.06	3.55		20	25.354	35.239	4.49	0.10
3	2959	2999	1.553	34.667	2.74	0.06	2.99		30	25.347	35.239	4.49	0.12
4	2470	2501	1.712	34.648	2.40	0.06	2.61		40	25.343	35.239	4.48	0.14
5	1979	2001	2.054	34.616	2.00	0.07	2.15		50	25.341	35.239	4.48	0.17
6	1486	1501	2.797	34.560	1.54	0.07	1.65		75	25.337	35.238	4.46	0.28
7	991	1000	4.001	34.450	1.03	0.07	1.11		100	24.397	35.292	4.52	0.63
8	744	751	5.017	34.238	1.00	0.07	1.03		125	22.150	35.215	4.23	0.34
9	497	500	7.491	34.089	2.61	0.07			150	20.648	35.135	4.10	0.11
10	398	401	10.256	34.168	3.91	0.06	4.14		175	19.077	34.987	4.12	0.08
11	298	300	14.646	34.463	4.29	0.06	4.53	nd	200	18.183	34.890	4.19	0.06
12	248	250	16.815	34.728	4.30	0.06	4.55	nd	250	16.101	34.637	4.25	0.05
13	199	200	18.811	34.957	4.13	0.08	4.38	0.016	300	13.893	34.388	4.14	0.05
14	3938	4001	1.449	34.686	3.21	0.06			400	9.825	34.144	3.78	0.06
15	1979	2001	2.054	34.616	2.00	0.07			500	7.093	34.093	2.31	0.06
16	1979	2001	2.054	34.616	2.00	0.07			600	5.993	34.130	1.55	0.07
17	992	1000	3.997	34.448	1.03	0.07			700	5.128	34.213	1.09	0.07
18	992	1001	3.997	34.448	1.02	0.07			800	4.688	34.306	0.88	0.07
19	744	750	5.027	34.237	0.99	0.07			900	4.333	34.394	0.90	0.07
20	497	500	7.493	34.089	2.60	0.07			1000	4.005	34.438	0.98	0.07
21	301	303	14.579	34.459	4.30	0.05			1200	3.418	34.508	1.23	0.07
22	200	202	18.691	34.947	4.15	0.08			1500	2.789	34.559	1.53	0.07
23	200	202	18.666	34.945	4.15	0.08			2000	2.052	34.617	2.00	0.07
24	200	201	18.679	34.945	4.14	0.08			2500	1.709	34.648	2.43	0.06
									3000	1.545	34.668	2.79	0.06
									3500	1.475	34.678	3.05	0.06
									4000	1.449	34.686	3.27	0.06
									4500	1.457	34.690	3.39	0.06
									4667	1.462	34.691	3.41	0.06

Cruise:	KH-11-10		Station:	St.7		Date:	2011/12/17		Latitude:	22	59.66N		Depth:	4455m
Leg:	1		Cast:	C1 (Light)		Time:	02:05		Longitude:	164	59.83W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.3	***	***	***			20	25.074	35.311	4.51	0.12	
1	159	160	20.175	35.100	4.17	0.14			30	25.076	35.311	4.51	0.13	
2	160	161	19.974	35.083	4.14	0.13			40	25.077	35.315	4.50	0.15	
3	160	161	20.111	35.094	4.17	0.14			50	25.079	35.318	4.50	0.15	
4	104	105	24.965	35.363	4.49	0.36			75	25.085	35.326	4.50	0.24	
5	103	104	24.967	35.368	4.48	0.39			100	25.015	35.365	4.48	0.33	
6	103	104	24.969	35.367	4.47	0.37			125	23.188	35.275	4.50	0.51	
7	47	48	25.081	35.316	4.51	0.19			150	20.724	35.148	4.19	0.16	
8	48	49	25.081	35.316	4.50	0.18			175	19.280	35.001	4.28	0.12	
9	48	49	25.083	35.315	4.49	0.42			200	18.921	34.964	4.28	0.09	
10	22	22	25.081	35.313	4.51	0.14			201	18.893	34.959	0.00	0.10	
11	23	23	25.080	35.313	4.50	0.14								
12	22	23	25.081	35.313	4.51	0.13								
13	10	10	25.076	35.313	4.50	0.13								
14	10	10	25.077	35.313	4.51	0.14								
15	10	10	25.078	35.313	4.52	0.13								
16	11	11	25.080	35.313	4.51	0.14								
17	10	10	25.080	35.313	4.51	0.13								
18	10	11	25.080	35.313	4.50	0.13								
19	10	10	25.080	35.313	4.51	0.13								
20	10	11	25.080	35.313	4.49	0.14								
21	10	10	25.079	35.313	4.51	0.14								
22	10	10	25.080	35.313	4.51	0.13								
23	10	10	25.080	35.313	4.52	0.13								
24	10	10	25.081	35.313	4.51	0.14								

[illegible]

Cruise:	KH-11-10		Station:	St.7		Date:	2011/12/17		Latitude:	22	59.99N		Depth:	4449m
Leg:	1		Cast:	C3 (Deep)		Time:	04:24		Longitude:	164	59.99W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.2	***	***	***			10	25.071	35.317	4.51	0.14	
1	4421	4496	1.480	34.689	3.16	0.06	3.63		20	25.078	35.317	4.50	0.16	
2	3937	4000	1.455	34.686	3.11	0.06	3.45		30	25.084	35.317	4.51	0.16	
3	2961	3001	1.553	34.667	2.69	0.06	2.90		40	25.088	35.319	4.49	0.17	
4	2471	2501	1.707	34.650	2.37	0.07	2.59		50	25.087	35.322	4.50	0.20	
5	1978	2000	2.049	34.618	1.97	0.07	2.17		75	25.083	35.321	4.49	0.25	
6	1485	1500	2.870	34.567	1.56	0.07	1.69		100	24.868	35.355	4.48	0.42	
7	993	1002	3.994	34.467	1.06	0.07	1.16		125	22.512	35.234	4.49	0.47	
8	745	751	4.707	34.271	0.82	0.07	0.87		150	21.117	35.174	4.27	0.26	
9	497	500	7.571	34.082	2.66	0.07	2.78		175	19.147	34.975	4.35	0.14	
10	398	401	10.114	34.163	4.01	0.06	4.23		200	18.729	34.936	4.34	0.11	
11	296	298	13.870	34.419	4.52	0.06	4.79	nd	250	16.421	34.675	4.46	0.06	
12	250	251	16.023	34.629	4.48	0.06	4.73	nd	300	14.330	34.461	4.52	0.05	
13	198	199	17.658	34.813	4.43	0.08	4.67	0.019	400	10.519	34.188	4.12	0.05	
14	1978	2000	2.059	34.617	1.97	0.07			500	7.631	34.085	2.74	0.06	
15	992	1000	3.994	34.467	1.06	0.07			600	5.785	34.136	1.39	0.07	
16	990	999	3.995	34.467	1.06	0.07			700	4.830	34.253	0.85	0.07	
17	745	751	4.704	34.272	0.82	0.07			800	4.438	34.342	0.78	0.07	
18	496	500	7.575	34.083	2.67	0.07			900	4.119	34.406	0.88	0.07	
19	497	500	7.569	34.083	2.68	0.07			1000	3.965	34.471	1.06	0.07	
20	397	400	10.298	34.173	4.04	0.06			1200	3.533	34.525	1.28	0.07	
21	298	300	13.987	34.430	4.53	0.05			1500	2.909	34.564	1.54	0.07	
22	199	201	17.744	34.823	4.41	0.08			2000	2.076	34.616	1.95	0.07	
23	199	200	17.744	34.823	4.41	0.09			2500	1.715	34.649	2.37	0.07	
24	197	198	17.825	34.832	4.43	0.08			3000	1.562	34.666	2.71	0.06	
									3500	1.467	34.680	3.00	0.06	
									4000	1.456	34.686	3.16	0.06	
									4495	1.480	34.689	3.27	0.06	

Cruise:	KH-11-10		Station:	St.7		Date:	2011/12/17		Latitude:	22	59.97N		Depth:	4453m
Leg:	1		Cast:	C4 (Shallow)		Time:	11:32		Longitude:	165	00.02W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.2	***	***	***	4.74	0.108	10	25.075	35.330	4.49	0.17	
1	97	98	24.114	35.297	4.47	0.56		0.303	20	25.083	35.330	4.50	0.17	
2	148	149	20.320	35.118	4.15	0.13	4.39	0.040	30	25.085	35.330	4.48	0.18	
3	125	126	21.648	35.191	4.45	0.35	4.71	0.168	40	25.089	35.332	4.49	0.18	
4	99	100	23.909	35.306	4.50	0.55	4.74	0.272	50	25.090	35.331	4.48	0.18	
5	75	76	25.091	35.333	4.48	0.19	4.73	0.133	75	25.095	35.332	4.49	7.92	
6	50	50	25.089	35.332	4.48	0.18	4.74	0.118	100	24.022	35.332	4.52	0.51	
7	30	30	25.080	35.332	4.50	0.19	4.74	0.106	125	21.745	35.194	4.45	0.36	
8	20	20	25.082	35.332	4.49	0.18	4.75	0.115	150	20.549	35.135	4.17	0.18	
9	10	10	25.079	35.332	4.50	0.18	4.75	0.121	175	19.869	35.070	4.18	0.11	
10	5	5	25.071	35.332	4.49	0.18	4.74	0.109	200	17.428	34.790	4.44	0.07	
11	97	98	24.124	35.297	4.47	0.58			201	17.429	34.790	4.44	0.07	
12	97	98	24.047	35.291	4.47	0.58								
13	149	150	20.336	35.119	4.16	0.13								
14	150	151	20.322	35.119	4.15	0.12								
15	100	100	23.920	35.312	4.49	0.54								
16	100	100	23.899	35.305	4.51	0.55								
17	76	76	25.092	35.333	4.46	0.18								
18	75	75	25.091	35.332	4.49	0.19								
19	50	50	25.090	35.332	4.48	0.18								
20	50	50	25.089	35.332	4.48	0.18								
21	29	29	25.083	35.332	4.50	0.19								
22	30	30	25.085	35.332	4.50	0.19								
23	11	11	25.074	35.332	4.49	0.17								
24	11	11	25.079	35.332	4.49	0.17								

[illegible]

Cruise:	KH-11-10		Station:	St.8		Date:	2011/12/18		Latitude:	22	46.22N		Depth:	4747m
Leg:	1		Cast:	C2 (Shallow)		Time:	18:38		Longitude:	158	05.45W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	24.5	***	***	***	4.82	0.123	5	24.245	35.289	4.55	0.16	
1	105	106	23.848	35.335	4.50	0.37		0.163	10	24.246	35.289	4.55	0.17	
2	148	149	21.726	35.262	4.35	0.20	4.62	0.130	20	24.247	35.290	4.55	0.19	
3	125	126	22.645	35.267	4.40	0.32	4.69	0.130	30	24.248	35.290	4.54	0.21	
4	100	101	24.021	35.343	4.50	0.44	4.77	0.219	40	24.251	35.290	4.55	0.21	
5	75	75	24.256	35.292	4.54	0.23	4.80	0.153	50	24.253	35.290	4.53	0.22	
6	50	50	24.250	35.290	4.54	0.23	4.82	0.132	75	24.257	35.296	4.54	0.25	
7	30	30	24.245	35.289	4.55	0.22	4.82	0.135	100	24.193	35.342	4.53	0.38	
8	19	19	24.243	35.289	4.56	0.20	4.81	0.141	125	22.656	35.269	4.39	0.35	
9	10	10	24.242	35.289	4.55	0.18	4.84	0.143	150	21.633	35.258	4.34	0.20	
10	5	5	24.241	35.289	4.54	0.17	4.83	0.148	175	20.456	35.179	4.29	0.11	
11	104	105	23.927	35.336	4.48	0.40			200	17.977	34.845	4.28	0.07	
12	104	104	23.900	35.337	4.49	0.44			202	17.921	34.842	4.22	0.07	
13	149	150	21.663	35.260	4.35	0.20								
14	149	150	21.715	35.263	4.33	0.20								
15	99	100	24.122	35.347	4.51	0.42								
16	100	101	24.115	35.350	4.51	0.41								
17	75	75	24.255	35.292	4.54	0.22								
18	74	75	24.255	35.292	4.54	0.26								
19	49	50	24.248	35.289	4.54	0.25								
20	49	50	24.249	35.290	4.55	0.25								
21	29	29	24.244	35.289	4.55	0.22								
22	29	29	24.244	35.289	4.56	0.22								
23	10	10	24.242	35.289	4.55	0.18								
24	11	11	24.242	35.289	4.54	0.17								

Cruise:	KH-11-10		Station:	St.8		Date:	2011/12/18		Latitude:	22	46.31N		Depth:	4746m
Leg:	1		Cast:	C3 (Light_D)		Time:	21:03		Longitude:	158	05.41W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	24.5	***	***	***			10	24.248	35.289	4.56	0.13	
1	140	141	22.631	35.271	4.40	0.32			20	24.249	35.289	4.55	0.16	
2	141	142	22.667	35.270	4.40	0.33			30	24.250	35.290	4.56	0.17	
3	141	142	22.681	35.270	4.40	0.33			40	24.250	35.290	4.55	0.20	
4	140	141	22.684	35.270	4.40	0.32			50	24.253	35.290	4.55	0.20	
5	141	142	22.688	35.270	4.40	0.32			75	24.251	35.290	4.55	0.24	
6	90	91	24.248	35.321	4.54	0.32			100	24.246	35.328	4.52	0.36	
7	90	91	24.248	35.321	4.54	0.33			125	23.447	35.310	4.48	0.42	
8	91	91	24.248	35.321	4.53	0.32			150	22.148	35.280	4.39	0.30	
9	90	91	24.248	35.321	4.54	0.31			175	20.510	35.184	4.29	0.12	
10	90	90	24.248	35.320	4.54	0.35			200	18.341	34.902	4.27	0.07	
11	31	31	24.244	35.289	4.55	0.18			202	18.034	34.858	4.27	0.06	
12	31	31	24.248	35.289	4.56	0.17								
13	31	31	24.244	35.289	4.56	0.19								
14	31	31	24.244	35.289	4.55	0.19								
15	31	31	24.245	35.289	4.56	0.19								
16	14	14	24.246	35.289	4.56	0.15								
17	14	14	24.246	35.290	4.55	0.15								
18	14	15	24.249	35.290	4.56	0.15								
19	14	14	24.250	35.290	4.56	0.15								
20	5	5	24.252	35.290	4.56	0.15								
21	6	6	24.252	35.290	4.55	0.14								
22	5	5	24.248	35.290	4.57	0.13								
23	6	6	24.245	35.290	4.54	0.13								
24	6	6	24.245	35.290	4.55	0.13								

Cruise:	KH-11-10		Station:	St.8		Date:	2011/12/18		Latitude:	22		46.19N		Depth:	4747m	
Leg:	1		Cast:	C4 (Light_3)		Time:	22:11		Longitude:	158		05.49W				
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)							
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.			
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l			
Sur.	0	***	29.5	***	***	***			5	29.260	34.266	4.27	0.02			
1	198	200	17.449	34.704	3.40	0.05			10	29.273	34.272	4.28	0.02			
2	198	199	17.461	34.706	3.40	0.04			20	29.292	34.289	4.27	0.03			
3	197	199	17.473	34.707	3.41	0.04			30	29.309	34.312	4.28	0.02			
4	198	199	17.476	34.707	3.40	0.04			40	29.312	34.342	4.29	0.03			
5	198	199	17.479	34.707	3.41	0.04			50	28.742	34.654	4.45	0.03			
6	198	199	17.491	34.708	3.41	0.05			75	28.068	34.882	4.47	0.05			
7	197	199	17.513	34.709	3.40	0.04			100	26.325	35.156	4.46	0.11			
8	197	198	17.549	34.712	3.41	0.04			125	24.119	35.228	4.20	0.18			
9	197	198	17.498	34.708	3.42	0.05			150	22.024	35.128	3.85	0.13			
10	197	198	17.478	34.707	3.41	0.04			175	19.161	34.853	3.61	0.07			
11	197	199	17.475	34.707	3.41	0.04			200	17.029	34.670	3.39	0.05			
12	197	198	17.477	34.707	3.41	0.04			250	12.200	34.371	3.39	0.02			
13	149	150	22.082	35.131	3.85	0.12			300	10.465	34.327	2.86	0.02			
14	150	151	22.030	35.128	3.86	0.12			400	8.509	34.454	1.70	0.03			
15	150	151	22.061	35.131	3.85	0.12			500	7.298	34.483	1.67	0.03			
16	150	151	22.072	35.132	3.86	0.12										
17	100	100	25.979	35.180	4.43	0.11										
18	100	100	26.003	35.180	4.43	0.11										
19	100	100	25.999	35.181	4.43	0.11										
20	100	100	25.997	35.182	4.43	0.12										
21	50	50	28.912	34.586	4.44	0.03										
22	50	50	28.927	34.583	4.43	0.03										
23	50	50	28.934	34.580	4.42	0.03										
24	50	50	28.932	34.580	4.42	0.03										

[illegible]

Cruise:	KH-11-10		Station:	St.8		Date:	2011/12/19		Latitude:	22		46.19N		Depth:	4747m	
Leg:	1		Cast:	C6 (Suzuki)		Time:	03:09		Longitude:	158		05.50W				
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)							
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.			
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l			
Sur.	0	***	24.3	***	***	***			20	24.278	35.290	4.57	0.21			
1	100	100	24.243	35.332	4.53	0.47			30	24.280	35.290	4.55	0.23			
2	100	100	24.224	35.335	4.52	0.48			40	24.275	35.290	4.55	0.23			
3	99	100	24.229	35.333	4.53	0.44			50	24.267	35.290	4.55	0.27			
4	100	101	24.249	35.334	4.53	0.43			75	24.255	35.292	4.54	0.30			
5	99	100	24.216	35.334	4.54	0.44			100	24.241	35.334	4.51	0.40			
6	100	100	24.227	35.334	4.53	0.44			125	22.116	35.279	4.38	0.27			
7	99	100	24.230	35.334	4.54	0.45			150	20.536	35.189	4.31	0.11			
8	99	100	24.242	35.334	4.53	0.46			161	19.821	35.107	4.32	0.09			
9	99	100	24.245	35.334	4.54	0.42										
10	100	100	24.248	35.334	4.53	0.46										
11	100	100	24.248	35.334	4.53	0.44										
12	100	101	24.250	35.334	4.53	0.45										
13	5	5	24.270	35.290	4.56	0.24										
14	5	5	24.269	35.290	4.56	0.22										
15	5	5	24.269	35.290	4.56	0.22										
16	6	6	24.270	35.290	4.55	0.22										
17	5	5	24.269	35.290	4.56	0.23										
18	4	4	24.269	35.290	4.56	0.22										
19	6	6	24.267	35.290	4.56	0.22										
20	5	5	24.268	35.290	4.56	0.22										
21	4	4	24.268	35.290	4.56	0.23										
22	4	5	24.268	35.290	4.56	0.22										
23	4	4	24.267	35.290	4.56	0.23										
24	5	5	24.270	35.290	4.56	0.23										

Cruise:	KH-11-10		Station:	St.8		Date:	2011/12/19		Latitude:	22	46.20N		Depth:	4747m
Leg:	1		Cast:	C7 (Deep)		Time:	04:05		Longitude:	158	05.43W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	24.3	***	***	***			20	24.276	35.290	4.55	0.26	
1	4707	4790	1.510	34.689	3.17	0.06	3.60		30	24.272	35.290	4.55	0.26	
2	3937	3999	1.454	34.686	3.12	0.06	3.48		40	24.274	35.290	4.54	0.25	
3	2960	3000	1.543	34.669	2.66	0.06	2.93		50	24.276	35.290	4.55	0.24	
4	2469	2500	1.716	34.650	2.29	0.06	2.52		75	24.257	35.293	4.55	0.31	
5	1978	2000	2.075	34.620	1.95	0.07	2.13		100	24.254	35.334	4.54	0.37	
6	4707	4790	1.510	34.689	3.18	0.06			125	22.300	35.280	4.38	0.30	
7	4707	4790	1.510	34.689	3.16	0.06			150	20.793	35.217	4.31	0.12	
8	4707	4790	1.510	34.689	3.16	0.06			175	19.084	35.008	4.25	0.09	
9	4707	4790	1.510	34.689	3.17	0.06			200	18.577	34.937	4.28	0.08	
10	4707	4790	1.510	34.689	3.17	0.06			250	15.455	34.505	4.26	0.05	
11	3938	4001	1.454	34.686	3.11	0.06			300	12.858	34.276	4.46	0.05	
12	3938	4000	1.454	34.686	3.11	0.06			400	9.764	34.112	4.12	0.05	
13	3938	4000	1.454	34.686	3.11	0.06			500	6.998	34.051	2.36	0.06	
14	2960	3000	1.543	34.669	2.67	0.06			600	5.493	34.098	1.29	0.06	
15	2960	3000	1.543	34.669	2.67	0.06			700	4.825	34.207	0.72	0.07	
16	2960	3000	1.543	34.669	2.66	0.06			800	4.408	34.313	0.58	0.07	
17	2960	3000	1.543	34.669	2.68	0.06			900	4.140	34.408	0.73	0.07	
18	2959	2999	1.543	34.669	2.66	0.06			1000	3.856	34.468	0.93	0.07	
19	2468	2498	1.715	34.650	2.28	0.06			1200	3.423	34.522	1.17	0.07	
20	2467	2497	1.715	34.650	2.29	0.06			1500	2.753	34.570	1.51	0.07	
21	1977	1999	2.076	34.620	1.95	0.07			2000	2.062	34.621	1.96	0.07	
22	1977	1999	2.075	34.620	1.94	0.07			2500	1.715	34.650	2.30	0.07	
23	1976	1998	2.077	34.620	1.94	0.07			3000	1.551	34.668	2.68	0.06	
24	1974	1996	2.081	34.620	1.94	0.07			3500	1.473	34.680	2.97	0.06	
									4000	1.453	34.686	3.17	0.06	
									4500	1.486	34.688	3.24	0.06	
									4789	1.510	34.689	3.32	0.06	

[illegible]

Cruise:	KH-11-10		Station:	St.8		Date:	2011/12/19		Latitude:	22	46.29N		Depth:	4746m
Leg:	1		Cast:	C9 (Metal)		Time:	18:03		Longitude:	158	05.29W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	24.4	***	***	***			20	24.214	35.296	4.53	0.26	
1	299	301	12.546	34.261	4.48	0.05			30	24.215	35.296	4.54	0.27	
2	199	200	18.305	34.896	4.28	0.07			40	24.218	35.296	4.53	0.28	
3	198	200	18.346	34.902	4.29	0.07			50	24.220	35.296	4.54	0.25	
4	112	113	23.910	35.329	4.48	0.43			75	24.220	35.301	4.53	0.29	
5	149	150	21.418	35.247	4.35	0.16			100	24.122	35.328	4.51	0.34	
6	98	99	24.200	35.336	4.51	0.39			125	22.636	35.270	4.39	0.34	
7	99	99	24.210	35.336	4.52	0.37			150	21.346	35.245	4.34	0.15	
8	98	99	24.214	35.335	4.52	0.38			175	20.008	35.132	4.30	0.09	
9	49	50	24.222	35.296	4.54	0.27			200	18.315	34.900	4.28	0.07	
10	50	50	24.222	35.296	4.53	0.26			250	15.727	34.538	4.26	0.05	
11	50	50	24.222	35.296	4.53	0.26			300	12.703	34.269	4.47	0.05	
12	20	20	24.213	35.297	4.54	0.23			302	12.607	34.265	4.47	0.05	
13	20	20	24.213	35.297	4.54	0.22								
14	9	9	24.207	35.297	4.54	0.19								
15	9	9	24.205	35.297	4.55	0.19								
16	300	302	12.539	34.260	4.48	0.05								
17	150	151	21.396	35.246	4.35	0.15								
18	112	113	23.923	35.336	4.50	0.44								
19	4	4	24.208	35.297	4.54	0.17								
20	301	303	12.516	34.258	4.49	0.05								
21	302	304	12.507	34.257	4.46	0.05								
22	302	304	12.504	34.257	4.47	0.05								
23	301	303	12.515	34.258	4.47	0.05								
24	301	303	12.509	34.257	4.48	0.05								

Cruise:	KH-11-10		Station:	St.8		Date:	2011/12/20		Latitude:	22	46.13N		Depth:	4747m
Leg:	1		Cast:	C10 (Gas)		Time:	04:08		Longitude:	158	05.44W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	24.4	***	***	***			20	24.136	35.286	4.57	0.24	
1	1979	2001	2.040	34.623	1.97	0.07			30	24.130	35.284	4.56	0.24	
2	1484	1499	2.696	34.574	1.54	0.07			40	24.106	35.283	4.58	0.23	
3	1237	1249	3.180	34.539	1.29	0.07			50	24.100	35.282	4.57	0.22	
4	990	998	3.910	34.462	0.93	0.07			75	24.049	35.280	4.57	0.24	
5	891	899	4.174	34.401	0.72	0.07			100	23.984	35.280	4.56	0.31	
6	793	799	4.399	34.309	0.58	0.07			125	23.206	35.302	4.42	0.36	
7	742	748	4.661	34.252	0.62	0.07			150	21.402	35.247	4.34	0.17	
8	693	699	4.877	34.198	0.74	0.07			175	19.601	35.080	4.29	0.09	
9	594	599	5.525	34.093	1.29	0.07			200	18.282	34.892	4.28	0.07	
10	495	498	7.275	34.050	2.47	0.07			250	14.828	34.448	4.38	0.05	
11	395	398	9.791	34.110	3.90	0.06			300	12.593	34.260	4.47	0.05	
12	296	298	12.869	34.269	4.46	0.05			400	9.865	34.125	4.02	0.05	
13	247	249	14.834	34.445	4.40	0.05			500	7.493	34.055	2.68	0.06	
14	198	199	17.966	34.834	4.28	0.07			600	5.650	34.086	1.43	0.06	
15	446	449	8.602	34.111	2.77	0.06			700	4.905	34.196	0.76	0.07	
16	149	150	20.937	35.227	4.35	0.12			800	4.393	34.314	0.58	0.07	
17	124	125	21.889	35.272	4.37	0.23			900	4.168	34.404	0.72	0.07	
18	99	99	23.990	35.308	4.52	0.36			1000	3.868	34.470	0.94	0.07	
19	75	75	24.165	35.296	4.56	0.30			1200	3.307	34.532	1.22	0.07	
20	49	50	24.188	35.297	4.56	0.29			1500	2.691	34.575	1.54	0.07	
21	30	30	24.197	35.299	4.57	0.29			2000	2.036	34.623	1.99	0.07	
22	19	20	24.198	35.299	4.57	0.27			2001	2.037	34.624	1.99	0.06	
23	10	10	24.198	35.299	4.57	0.28								
24	5	5	24.200	35.299	4.56	0.26								

[illegible]

Cruise:	KH-11-10		Station:	St.8		Date:	2011/12/20		Latitude:	22 46.28N		Depth:	4746m
Leg:	1		Cast:	C12 (Sakuma2)		Time:	11:04		Longitude:	158 05.40W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	23.9	***	***	***			10	24.106	35.288	4.57	0.22
1	148	149	21.209	35.256	4.38	0.13			20	24.114	35.289	4.55	0.22
2	149	150	21.220	35.258	4.37	0.13			30	24.108	35.288	4.55	0.22
3	149	150	21.233	35.258	4.39	0.13			40	24.099	35.286	4.56	0.21
4	148	149	21.255	35.259	4.38	0.14			50	24.106	35.287	4.57	0.21
5	100	100	23.859	35.310	4.48	0.30			75	24.055	35.281	4.56	0.21
6	100	101	23.849	35.311	4.49	0.32			100	24.024	35.327	4.48	0.37
7	100	101	23.849	35.311	4.49	0.29			125	22.238	35.281	4.39	0.25
8	75	76	24.084	35.293	4.55	0.23			150	21.144	35.251	4.37	0.13
9	50	50	24.118	35.289	4.56	0.24			151	21.120	35.249	4.38	0.13
10	51	51	24.121	35.290	4.56	0.22							
11	51	51	24.118	35.289	4.55	0.23							
12	49	50	24.116	35.289	4.55	0.22							
13	31	31	24.129	35.292	4.54	0.22							
14	29	29	24.129	35.292	4.55	0.24							
15	30	30	24.127	35.291	4.55	0.24							
16	30	30	24.127	35.291	4.56	0.25							
17	10	10	24.123	35.292	4.55	0.26							
18	10	10	24.127	35.293	4.55	0.24							
19	10	10	24.128	35.293	4.55	0.25							
20	10	10	24.126	35.292	4.56	0.25							
21	6	6	24.115	35.292	4.49	0.23							
22	5	5	24.115	35.292	4.48	0.23							
23	5	5	24.115	35.292	4.51	0.24							
24	5	5	24.116	35.292	4.51	0.24							

[illegible]

Cruise:	KH-11-10		Station:	St.9		Date:	2011/12/28		Latitude:	12	59.96N		Depth:	5467m
Leg:	2		Cast:	C2 (Shallow)		Time:	03:55		Longitude:	147	59.41W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.4	***	***	***	4.79	0.122	10	25.190	33.958	4.53	0.59	
1	73	74	21.641	34.716	4.60	1.11		0.353	20	25.190	33.958	4.53	0.58	
2	124	125	13.673	34.272	2.37	0.18	2.51	0.051	30	25.190	33.958	4.53	0.61	
3	99	99	17.481	34.442	3.37	0.35	3.57	0.124	40	25.184	33.957	4.53	0.61	
4	74	75	21.353	34.677	4.46	1.03	4.68	0.345	50	25.165	33.960	4.52	0.62	
5	49	49	24.850	34.106	4.58	0.95	4.82	0.178	75	21.352	34.678	4.42	1.03	
6	29	30	25.171	33.957	4.52	0.72	4.78	0.124	100	17.710	34.458	3.41	0.33	
7	20	20	25.182	33.957	4.51	0.68	4.76	0.122	125	13.947	34.285	2.42	0.20	
8	10	10	25.176	33.957	4.51	0.69	4.80	0.122	150	12.416	34.468	0.85	0.14	
9	5	5	25.176	33.957	4.52	0.65	4.77	0.122	152	12.403	34.476	0.73	0.15	
10	72	73	21.711	34.721	4.59	1.19								
11	101	101	17.390	34.438	3.38	0.31								
12	98	99	17.551	34.446	3.38	0.32								
13	99	100	17.563	34.448	3.38	0.33								
14	99	100	17.574	34.448	3.38	0.34								
15	74	74	21.426	34.686	4.50	1.03								
16	74	74	21.461	34.691	4.52	1.02								
17	49	49	24.910	34.081	4.56	0.88								
18	50	50	25.057	34.018	4.51	0.84								
19	30	31	25.182	33.957	4.50	0.68								
20	31	31	25.180	33.957	4.52	0.66								
21	10	10	25.177	33.957	4.52	0.69								
22	11	11	25.178	33.957	4.52	0.68								
23	10	10	25.178	33.957	4.51	0.67								
24	6	6	25.176	33.957	4.52	0.66								

Cruise:	KH-11-10		Station:	St.9		Date:	2011/12/28		Latitude:	13 00.07N		Depth:	5468m
Leg:	2		Cast:	C3 (Deep)		Time:	06:07		Longitude:	147 59.46W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	25.4	***	***	***			20	25.165	33.956	4.51	0.86
1	5451	5553	1.475	34.698	3.52	0.06	4.00		30	25.164	33.957	4.53	0.82
2	3939	4000	1.426	34.690	3.25	0.06	3.60		40	25.163	33.959	4.52	0.84
3	2961	3000	1.637	34.675	2.60	0.06	2.87		50	25.165	33.959	4.52	0.84
4	2470	2499	1.800	34.661	2.38	0.07	2.60		75	21.185	34.654	4.39	0.97
5	1980	2001	2.132	34.636	2.01	0.07	2.15		100	17.476	34.441	3.33	0.31
6	1486	1500	2.968	34.596	1.38	0.08	1.50		125	13.259	34.261	2.27	0.16
7	992	1000	4.482	34.541	0.61	0.08	0.77		150	11.989	34.481	0.88	0.14
8	745	751	5.814	34.521	0.29	0.07	0.34		175	11.759	34.667	0.11	0.10
9	495	499	8.160	34.558	0.11	0.08	0.19		200	11.434	34.695	0.06	0.06
10	398	401	9.154	34.600	0.13	0.08	0.33		250	10.657	34.673	0.09	0.06
11	297	299	10.274	34.659	0.09	0.07	0.17	0.013	300	10.079	34.648	0.09	0.07
12	248	250	10.939	34.686	0.08	0.06	0.10	0.013	357	9.525	34.621	0.11	0.08
13	200	202	11.467	34.690	0.06	0.06	0.08	0.013	400	9.006	34.595	0.15	0.07
14	150	151	12.338	34.383	1.24	0.14	1.55	0.039	500	7.812	34.539	0.20	0.07
15	1980	2001	2.131	34.636	2.00	0.07			600	6.832	34.519	0.24	0.07
16	992	1000	4.481	34.542	0.61	0.08			700	6.075	34.517	0.28	0.07
17	992	1000	4.481	34.543	0.60	0.08			800	5.432	34.527	0.34	0.07
18	992	1000	4.481	34.542	0.61	0.07			900	4.933	34.535	0.50	0.07
19	992	1001	4.481	34.542	0.61	0.07			1000	4.440	34.545	0.58	0.08
20	499	502	8.154	34.558	0.11	0.08			1200	3.827	34.563	0.90	0.08
21	199	201	11.476	34.689	0.06	0.07			1500	3.037	34.595	1.34	0.08
22	199	201	11.477	34.690	0.06	0.06			2000	2.149	34.635	1.99	0.07
23	149	150	12.266	34.288	1.71	0.14			2500	1.785	34.662	2.41	0.07
24	149	150	12.266	34.275	1.99	0.13			3000	1.642	34.675	2.65	0.07
									3500	1.534	34.681	2.90	0.06
									4000	1.426	34.690	3.32	0.06
									4500	1.409	34.695	3.50	0.06
									5000	1.423	34.697	3.63	0.06
									5500	1.471	34.698	3.69	0.06
									5547	1.474	34.698	3.67	0.06

Cruise:	KH-11-10		Station:	St.9		Date:	2011/12/28		Latitude:	13	00.91N		Depth:	5480m
Leg:	2		Cast:	C4 (Metal&Gas)		Time:	11:43		Longitude:	147	59.88W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.3	***	***	***			20	25.126	33.954	4.52	0.83	
1	1239	1250	3.655	34.569	0.98	0.08			30	25.138	33.954	4.51	0.84	
2	992	1000	4.533	34.541	0.61	0.07			40	25.139	33.954	4.51	0.98	
3	892	900	5.038	34.531	0.44	0.07			50	25.140	33.954	4.51	0.88	
4	793	800	5.564	34.524	0.32	0.08			75	21.350	34.725	4.64	0.83	
5	744	749	5.876	34.520	0.27	0.07			100	18.974	34.617	4.00	0.38	
6	695	700	6.184	34.515	0.27	0.07			125	15.159	34.342	2.61	0.20	
7	595	600	7.097	34.521	0.21	0.07			150	12.555	34.256	2.15	0.14	
8	497	500	8.341	34.567	0.13	0.07			175	11.735	34.483	0.83	0.13	
9	397	400	9.277	34.606	0.10	0.07			200	11.661	34.677	0.09	0.08	
10	298	300	10.403	34.666	0.07	0.07			250	10.925	34.669	0.15	0.06	
11	248	250	10.935	34.668	0.13	0.06			300	10.419	34.667	0.08	0.06	
12	199	200	11.686	34.675	0.06	0.08			400	9.320	34.610	0.10	0.07	
13	66	66	21.618	34.731	4.65	1.05			500	8.332	34.567	0.15	0.07	
14	150	151	12.868	34.272	1.99	0.13			600	7.111	34.522	0.21	0.07	
15	123	124	15.456	34.359	3.23	0.24			700	6.194	34.516	0.28	0.07	
16	99	100	18.774	34.613	3.97	0.40			800	5.566	34.524	0.32	0.07	
17	74	75	20.974	34.690	4.49	0.69			900	5.038	34.531	0.43	0.07	
18	50	51	24.295	34.411	4.62	1.04			1000	4.518	34.542	0.58	0.07	
19	29	29	25.127	33.954	4.50	0.79			1200	3.805	34.563	0.91	0.07	
20	20	20	25.126	33.954	4.50	0.79			1302	3.505	34.576	1.07	0.07	
21	9	9	25.122	33.954	4.50	0.86								
22	5	5	25.123	33.954	4.50	0.81								
23	0													
24	0													

Cruise:	KH-11-10		Station:	St.10		Date:	2011/12/30		Latitude:	7	00.69N		Depth:	4940m
Leg:	2		Cast:	C1 (Light Depth)		Time:	00:27		Longitude:	141	59.69W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	27.6	***	***	***			5	27.406	34.130	4.31	0.15	
1	138	139	15.323	34.654	1.74	0.18			10	27.408	34.130	4.31	0.15	
2	138	139	15.377	34.658	1.78	0.19			20	27.407	34.131	4.31	0.16	
3	140	141	15.097	34.653	1.76	0.18			30	27.404	34.132	4.33	0.18	
4	92	93	23.069	34.905	3.48	0.78			40	27.394	34.133	4.30	0.23	
5	92	92	23.199	34.914	3.51	0.76			50	27.394	34.134	4.31	0.25	
6	92	93	23.321	34.918	3.51	0.78			75	25.242	34.924	3.69	1.15	
7	93	93	23.347	34.919	3.52	0.82			100	22.848	34.901	3.45	0.77	
8	49	49	27.395	34.133	4.31	0.28			125	17.927	34.652	2.96	0.35	
9	50	51	27.395	34.134	4.30	0.28			150	13.651	34.611	0.91	0.21	
10	50	50	27.394	34.136	4.30	0.28			175	12.064	34.685	0.23	0.17	
11	25	25	27.400	34.132	4.30	0.20			200	11.194	34.699	0.58	0.07	
12	25	25	27.405	34.131	4.31	0.19			201	11.157	34.700	0.00	0.07	
13	25	25	27.406	34.131	4.31	0.18								
14	9	10	27.407	34.131	4.29	0.17								
15	9	10	27.407	34.131	4.31	0.18								
16	9	9	27.408	34.131	4.30	0.18								
17	9	10	27.408	34.131	4.31	0.17								
18	10	10	27.408	34.131	4.30	0.18								
19	9	9	27.407	34.131	4.31	0.17								
20	10	10	27.408	34.131	4.31	0.17								
21	10	10	27.407	34.131	4.31	0.18								
22	10	10	27.407	34.131	4.30	0.18								
23	9	9	27.407	34.131	4.31	0.17								
24	9	9	27.407	34.131	4.30	0.17								

[illegible]

Cruise:	KH-11-10		Station:	St.10		Date:	2011/12/30		Latitude:	7 00.14N		Depth:	-
Leg:	2		Cast:	C3 (Deep)		Time:	02:57		Longitude:	141 59.90W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	27.5	***	***	***			10	27.377	34.121	4.31	0.23
1	4918	5004	1.440	34.697	3.44	0.06	3.89		20	27.380	34.121	4.33	0.22
2	4430	4501	1.396	34.696	3.47	0.06	3.85		30	27.383	34.122	4.32	0.25
3	3941	4001	1.405	34.693	3.35	0.06	3.69		40	27.385	34.122	4.33	0.22
4	2963	3001	1.703	34.676	2.58	0.06	2.81		50	27.375	34.124	4.31	0.30
5	2472	2500	1.878	34.665	2.31	0.07	2.50		75	24.368	34.948	3.63	1.08
6	1978	1999	2.334	34.636	1.98	0.07	2.14		100	22.453	34.886	3.41	0.73
7	1488	1502	3.203	34.600	1.51	0.08	1.11		125	17.527	34.636	2.69	0.32
8	994	1002	4.908	34.556	0.85	0.07	0.91		150	13.713	34.615	0.99	0.19
9	743	749	6.147	34.555	0.45	0.07	0.49		175	12.098	34.686	0.23	0.18
10	496	499	8.143	34.614	0.15	0.07	0.18		200	11.262	34.699	0.52	0.07
11	399	401	9.007	34.646	0.22	0.07	0.25		250	10.361	34.693	1.07	0.07
12	298	300	9.943	34.693	0.45	0.07	0.53	0.013	300	9.867	34.691	0.46	0.07
13	251	252	10.404	34.695	0.94	0.07	0.99	0.015	400	9.025	34.649	0.22	0.07
14	202	203	11.206	34.696	0.61	0.07	0.71	0.018	500	8.068	34.612	0.14	0.07
15	150	150	13.575	34.600	0.80	0.22	0.89	0.072	600	7.061	34.581	0.18	0.07
16	4918	5004	1.440	34.697	3.44	0.06			700	6.361	34.561	0.34	0.07
17	4428	4500	1.396	34.696	3.47	0.06			800	5.865	34.554	0.55	0.07
18	3943	4003	1.404	34.693	3.33	0.06			900	5.318	34.552	0.75	0.07
19	2963	3001	1.703	34.676	2.58	0.07			1000	4.929	34.556	0.83	0.07
20	993	1001	4.908	34.556	0.84	0.08			1200	4.154	34.571	1.06	0.07
21	201	202	11.243	34.697	0.56	0.07			1500	3.226	34.599	1.50	0.07
22	202	203	11.214	34.696	0.62	0.08			2000	2.357	34.635	1.98	0.07
23	150	150	13.673	34.607	0.94	0.21			2500	1.892	34.664	2.32	0.07
24	149	150	13.655	34.607	0.94	0.20			3000	1.722	34.675	2.57	0.07
									3500	1.517	34.685	3.04	0.06
									4000	1.408	34.693	3.40	0.06
									4500	1.397	34.696	3.52	0.06
									5000	1.439	34.697	3.58	0.06
									5002	1.440	34.697	3.59	0.06

Cruise:	KH-11-10		Station:	St.10		Date:	2011/12/30		Latitude:	7	00.00N		Depth:	4962m
Leg:	2		Cast:	C4 (Metal&Gas)		Time:	08:24		Longitude:	141	59.95W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	27.3	***	***	***			20	27.341	34.112	4.32	0.29	
1	1242	1252	3.961	34.576	1.15	0.08			30	27.355	34.119	4.30	0.30	
2	992	1000	4.928	34.556	0.76	0.08			40	27.365	34.124	4.31	0.34	
3	893	900	5.383	34.551	0.72	0.07			50	27.380	34.149	4.30	0.41	
4	796	802	5.957	34.554	0.54	0.07			75	26.248	34.847	4.17	1.16	
5	745	750	6.242	34.558	0.40	0.07			100	22.427	34.885	3.39	0.68	
6	696	701	6.618	34.567	0.19	0.07			125	17.750	34.649	2.90	0.31	
7	596	600	7.248	34.585	0.16	0.08			150	14.058	34.624	1.25	0.16	
8	498	501	8.287	34.620	0.17	0.07			175	12.366	34.664	0.24	0.19	
9	497	500	8.295	34.621	0.17	0.07			200	11.356	34.705	0.47	0.08	
10	397	399	9.239	34.658	0.27	0.07			250	10.533	34.710	0.64	0.06	
11	397	400	9.258	34.659	0.27	0.07			300	10.055	34.699	0.50	0.07	
12	297	299	10.099	34.699	0.50	0.07			400	9.254	34.660	0.26	0.07	
13	249	251	10.519	34.712	0.53	0.07			500	8.286	34.621	0.18	0.07	
14	198	200	11.277	34.700	0.51	0.08			600	7.218	34.585	0.19	0.07	
15	149	150	14.068	34.617	1.26	0.17			700	6.639	34.568	0.17	0.07	
16	75	75	26.053	34.866	4.12	1.05			800	5.984	34.555	0.52	0.07	
17	124	124	17.712	34.641	2.85	0.35			900	5.408	34.552	0.72	0.07	
18	100	101	22.295	34.876	3.38	0.67			1000	4.915	34.557	0.74	0.07	
19	76	76	25.957	34.874	4.11	1.10			1200	4.162	34.571	1.06	0.08	
20	51	51	27.203	34.458	4.29	0.83			1301	3.790	34.581	1.24	0.08	
21	30	30	27.339	34.124	4.29	0.32								
22	20	20	27.335	34.123	4.29	0.32								
23	11	11	27.329	34.122	4.31	0.32								
24	6	6	27.328	34.122	4.31	0.29								

Cruise:	KH-11-10		Station:	St.11		Date:	2012/1/1		Latitude:	0	00.21S		Depth:	4366m
Leg:	2		Cast:	C1 (Light Depth)		Time:	03:20		Longitude:	135	00.69W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	24.8	***	***	***			5	24.425	35.245	4.29	1.02	
1	95	95	17.500	35.340	2.63	0.24			10	24.353	35.242	4.30	1.14	
2	93	94	17.677	35.371	2.55	0.27			20	24.116	35.237	4.27	1.53	
3	96	97	17.387	35.321	2.67	0.21			30	24.088	35.236	4.25	1.72	
4	64	64	22.161	35.394	3.27	1.04			40	24.027	35.230	4.18	1.74	
5	64	64	22.176	35.393	3.28	1.07			50	23.297	35.272	3.76	1.65	
6	64	65	22.142	35.398	3.28	1.06			75	21.095	35.450	2.94	0.68	
7	64	64	22.178	35.393	3.29	1.02			100	17.123	35.282	2.77	0.18	
8	29	29	24.069	35.235	4.24	1.94			125	14.355	35.044	2.84	0.07	
9	29	29	24.073	35.236	4.25	2.03			150	13.629	34.972	2.75	0.07	
10	29	29	24.072	35.236	4.25	1.94			175	13.364	34.967	2.51	0.06	
11	28	29	24.072	35.237	4.25	1.95			200	12.769	34.917	2.41	0.06	
12	16	16	24.185	35.240	4.29	1.47			201	12.737	34.914	2.40	0.06	
13	16	16	24.248	35.239	4.29	1.39								
14	15	16	24.282	35.238	4.29	1.41								
15	16	16	24.276	35.242	4.28	1.40								
16	7	7	24.325	35.244	4.28	1.29								
17	6	7	24.325	35.244	4.28	1.30								
18	6	6	24.323	35.244	4.29	1.31								
19	6	6	24.324	35.244	4.29	1.30								
20	7	7	24.326	35.243	4.29	1.27								
21	95	96	17.461	35.331	2.65	0.24								
22	96	96	17.429	35.327	2.64	0.23								
23	96	97	17.407	35.323	2.67	0.23								
24	96	97	17.381	35.318	2.67	0.22								

Cruise:	KH-11-10		Station:	St.11		Date:	2012/1/1		Latitude:	0	00.05S		Depth:	4370m
Leg:	2		Cast:	C2 (Shallow)		Time:	04:30		Longitude:	135	00.01W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	24.5	***	***	***	4.55	0.230	5	24.259	35.248	4.29	1.29	
1	40	40	23.969	35.242	4.18	1.97		0.348	10	24.250	35.248	4.28	1.30	
2	124	125	15.318	35.150	2.66	0.11	2.80	0.026	20	24.066	35.242	4.25	1.56	
3	99	99	18.554	35.456	2.43	0.31	2.63	0.095	30	24.029	35.241	4.22	1.86	
4	74	74	21.744	35.432	3.10	0.87	4.27	0.261	40	24.005	35.241	4.20	2.04	
5	50	51	23.808	35.244	4.04	1.78	4.15	0.384	50	23.761	35.248	3.97	1.77	
6	30	30	24.005	35.242	4.21	2.03	4.45	0.332	75	21.574	35.442	3.05	0.80	
7	21	21	24.036	35.244	4.24	1.78	4.49	0.286	100	17.595	35.351	2.63	0.24	
8	11	11	24.228	35.249	4.27	1.36	4.52	0.251	125	15.692	35.198	2.61	0.12	
9	4	4	24.225	35.250	4.27	1.38	4.51	0.250	150	13.974	35.018	2.77	0.06	
10	40	41	23.956	35.242	4.16	1.87			151	13.931	35.013	2.76	0.06	
11	99	99	18.659	35.465	2.42	0.32								
12	99	99	18.591	35.464	2.43	0.32								
13	74	75	21.778	35.432	3.11	0.88								
14	75	75	21.773	35.432	3.10	0.86								
15	50	50	23.820	35.244	4.05	1.81								
16	50	51	23.808	35.245	4.06	1.76								
17	30	30	24.005	35.242	4.21	1.96								
18	30	30	24.010	35.242	4.22	1.90								
19	10	10	24.218	35.249	4.27	1.40								
20	10	10	24.216	35.249	4.27	1.50								
21	39	39	23.969	35.242	4.17	2.07								
22	41	41	23.963	35.243	4.17	2.05								
23	10	10	24.214	35.249	4.26	1.41								
24	10	10	24.218	35.250	4.27	1.41								
#10 Miss Trigger														

Cruise:	KH-11-10		Station:	St.11		Date:	2012/1/1		Latitude:	0	00.06S		Depth:	4370m
Leg:	2		Cast:	C3 (Metal&Gas)		Time:	05:50		Longitude:	135	00.05W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	24.5	***	***	***			5	24.166	35.252	4.25	1.40	
1	496	499	7.796	34.609	1.12	0.07			10	24.165	35.253	4.27	1.42	
2	496	499	7.793	34.609	1.13	0.07			20	24.025	35.247	4.20	1.65	
3	398	401	9.370	34.694	0.57	0.07			30	23.961	35.246	4.17	1.91	
4	398	401	9.374	34.694	0.57	0.07			40	23.946	35.245	4.16	2.04	
5	298	300	11.537	34.828	1.00	0.06			50	23.834	35.249	4.06	1.83	
6	298	299	11.556	34.829	1.00	0.06			75	21.844	35.425	3.12	0.89	
7	249	251	12.235	34.876	1.70	0.06			100	17.610	35.348	2.63	0.23	
8	198	199	13.040	34.941	2.41	0.06			125	15.056	35.136	2.73	0.10	
9	198	200	13.051	34.942	2.41	0.06			150	13.885	35.007	2.76	0.06	
10	149	150	13.870	35.004	2.75	0.06			175	13.410	34.969	2.55	0.06	
11	150	151	13.843	35.001	2.75	0.06			200	13.052	34.943	2.42	0.06	
12	41	41	23.880	35.247	4.11	1.91			250	12.267	34.879	1.77	0.06	
13	124	125	14.814	35.112	2.74	0.13			300	11.583	34.832	0.99	0.06	
14	98	99	17.383	35.319	2.70	0.23			400	9.370	34.695	0.59	0.07	
15	99	100	17.171	35.294	2.73	0.20			500	7.767	34.608	1.12	0.07	
16	75	75	21.459	35.427	3.04	0.79			501	7.749	34.607	1.11	0.07	
17	50	50	23.467	35.273	3.94	1.73								
18	50	50	23.569	35.263	3.95	1.71								
19	30	30	23.935	35.248	4.16	1.82								
20	20	20	23.970	35.249	4.20	1.69								
21	9	9	24.107	35.253	4.24	1.50								
22	10	10	24.104	35.253	4.24	1.58								
23	5	5	24.112	35.253	4.25	1.58								
24	5	5	24.099	35.253	4.24	1.47								

[illegible]

Cruise:	KH-11-10		Station:	St.11		Date:	2012/1/1		Latitude:	0	00.08S		Depth:	4370m
Leg:	2		Cast:	C5 (Deep)		Time:	11:19		Longitude:	135	00.06W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	24.4	***	***	***			5	24.178	35.067	4.34	1.06	
1	4332	4401	1.462	34.694	3.27	0.06	3.66		10	24.168	35.071	4.34	1.01	
2	3941	4000	1.428	34.694	3.30	0.06	3.66		20	23.989	35.189	4.22	1.22	
3	2962	3000	1.711	34.674	2.80	0.06	3.05		30	23.799	35.256	4.12	1.60	
4	2472	2500	1.857	34.665	2.59	0.07	2.81		40	23.737	35.261	4.06	1.68	
5	1980	2001	2.354	34.638	2.21	0.07	2.38		50	23.687	35.264	4.01	1.48	
6	1486	1500	3.153	34.599	1.97	0.07	2.14		75	21.877	35.407	3.16	0.95	
7	992	1000	4.424	34.558	1.78	0.07	1.93		100	17.627	35.354	2.61	0.23	
8	745	750	5.347	34.547	1.67	0.07	1.82		125	14.427	35.056	2.84	0.08	
9	4331	4400	1.462	34.694	3.28	0.06			150	13.516	34.973	2.67	0.06	
10	3941	4000	1.428	34.694	3.31	0.06			175	13.209	34.955	2.46	0.06	
11	2963	3001	1.712	34.674	2.80	0.07			200	12.590	34.898	2.38	0.06	
12	2472	2501	1.857	34.665	2.59	0.07			250	11.880	34.852	1.28	0.06	
13	1979	2000	2.353	34.638	2.20	0.07			300	11.213	34.809	1.03	0.06	
14	1980	2000	2.355	34.638	2.20	0.07			400	9.189	34.686	0.46	0.07	
15	1486	1500	3.154	34.599	1.98	0.07			500	7.518	34.599	1.05	0.07	
16	1486	1500	3.154	34.599	1.97	0.07			600	6.815	34.573	1.25	0.07	
17	2963	3001	1.712	34.674	2.80	0.06			700	6.139	34.555	1.42	0.07	
18	992	1000	4.434	34.558	1.78	0.07			800	5.235	34.548	1.69	0.07	
19	992	1000	4.422	34.559	1.78	0.07			900	4.984	34.549	1.72	0.07	
20	893	900	4.978	34.549	1.72	0.07			1000	4.480	34.558	1.75	0.07	
21	745	750	5.346	34.548	1.67	0.07			1200	3.789	34.577	1.80	0.07	
22	744	750	5.345	34.547	1.67	0.07			1500	3.156	34.599	1.97	0.07	
23	2472	2500	1.857	34.665	2.59	0.07			2000	2.352	34.639	2.22	0.07	
24	3941	4000	1.427	34.694	3.30	0.06			2500	1.858	34.665	2.61	0.07	
									3000	1.702	34.674	2.84	0.07	
									3500	1.536	34.685	3.11	0.07	
									4000	1.427	34.694	3.36	0.06	
									4398	1.462	34.694	3.39	0.06	

Cruise:	KH-11-10		Station:	St.12		Date:	2012/1/3		Latitude:	7	29.98S		Depth:	4458m
Leg:	2		Cast:	C1 (Shallow)		Time:	09:41		Longitude:	127	30.23W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.5	***	***	***	4.80	0.147	5	25.150	35.117	4.53	0.95	
1	89	90	22.113	35.071	3.75	1.14		0.238	10	25.150	35.118	4.54	0.97	
2	148	149	17.696	35.322	3.00	0.34	3.19	0.104	20	25.148	35.117	4.55	0.96	
3	125	125	19.766	35.575	3.37	0.56	3.53	0.170	30	25.129	35.116	4.56	0.96	
4	99	100	21.923	35.172	3.69	0.97	3.93	0.208	40	25.077	35.113	4.55	0.96	
5	75	75	24.957	35.130	4.52	1.11	4.73	0.185	50	25.067	35.114	4.55	0.98	
6	49	49	25.037	35.123	4.55	1.05	4.80	0.161	75	24.963	35.132	4.50	1.12	
7	30	30	25.128	35.120	4.54	0.96	4.79	0.146	100	22.083	35.099	3.73	1.00	
8	20	20	25.164	35.120	4.53	0.96	4.80	0.146	125	20.364	35.705	3.58	0.55	
9	10	10	25.158	35.120	4.54	0.95	4.80	0.141	150	17.805	35.337	3.04	0.31	
10	5	5	25.154	35.120	4.53	0.94	4.79	0.144	151	17.730	35.329	3.02	0.31	
11	89	89	22.578	34.987	3.95	1.18								
12	89	90	22.745	34.936	4.00	1.18								
13	149	149	17.699	35.322	2.98	0.33								
14	149	150	17.642	35.316	2.98	0.31								
15	99	100	21.925	35.177	3.71	1.00								
16	99	100	21.941	35.188	3.71	0.99								
17	75	75	24.955	35.130	4.50	1.18								
18	74	75	24.915	35.128	4.52	1.17								
19	49	49	25.047	35.122	4.54	1.13								
20	49	50	25.046	35.121	4.54	1.02								
21	29	30	25.132	35.120	4.53	0.97								
22	30	30	25.138	35.120	4.53	0.95								
23	9	9	25.155	35.120	4.52	1.05								
24	10	10	25.156	35.120	4.52	0.96								

Cruise:	KH-11-10		Station:	St.12		Date:	2012/1/3		Latitude:	7	29.27S		Depth:	4457m
Leg:	2		Cast:	C2 (Deep)		Time:	11:15		Longitude:	127	30.19W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.2	***	***	***			5	25.107	35.112	4.54	0.99	
1	4406	4478	1.458	34.696	3.46	0.06	3.88		10	25.094	35.112	4.56	1.01	
2	3940	4000	1.417	34.695	3.47	0.06	3.84		20	25.104	35.113	4.54	0.96	
3	2962	3000	1.721	34.679	2.97	0.06	3.24		30	25.092	35.111	4.53	0.93	
4	2471	2500	1.868	34.667	2.78	0.06	3.01		40	25.045	35.117	4.53	0.99	
5	1980	2001	2.248	34.640	2.55	0.07	2.74		50	24.964	35.130	4.52	1.04	
6	1486	1500	2.987	34.595	2.43	0.07	2.60		75	24.876	35.123	4.51	1.04	
7	992	1000	4.369	34.544	2.00	0.07	2.11		100	21.979	35.386	3.73	0.87	
8	745	750	5.643	34.541	1.24	0.07	1.32		125	19.255	35.487	3.14	0.49	
9	496	500	8.074	34.630	0.34	0.06	0.36		150	17.023	35.236	2.69	0.30	
10	398	401	9.375	34.703	0.28	0.06	0.30		175	14.709	34.968	1.60	0.16	
11	298	300	10.594	34.782	0.22	0.06	0.22	nd	200	12.880	34.874	0.48	0.06	
12	248	250	11.411	34.824	0.39	0.06	0.39	0.011	250	11.662	34.855	0.48	0.06	
13	199	200	12.498	34.873	0.37	0.06	0.36	nd	300	10.825	34.800	0.21	0.06	
14	2963	3001	1.721	34.679	2.98	0.06			400	9.536	34.716	0.20	0.06	
15	2471	2500	1.868	34.668	2.78	0.06			500	8.197	34.637	0.40	0.06	
16	1980	2001	2.248	34.640	2.55	0.07			600	6.905	34.577	0.45	0.06	
17	1486	1500	2.987	34.595	2.43	0.07			700	5.985	34.547	1.06	0.06	
18	992	1000	4.369	34.544	2.00	0.06			800	5.311	34.538	1.45	0.06	
19	497	500	8.075	34.630	0.34	0.06			900	4.771	34.538	1.78	0.06	
20	397	400	9.384	34.706	0.26	0.06			1000	4.369	34.545	1.97	0.06	
21	298	300	10.653	34.787	0.22	0.06			1200	3.741	34.563	2.21	0.06	
22	199	200	12.491	34.874	0.37	0.06			1500	2.976	34.595	2.44	0.07	
23	199	200	12.491	34.874	0.37	0.06			2000	2.243	34.641	2.56	0.07	
24	198	199	12.499	34.875	0.37	0.06			2500	1.872	34.667	2.80	0.06	
									3000	1.706	34.679	3.03	0.06	
									3500	1.527	34.688	3.35	0.06	
									4000	1.416	34.695	3.52	0.06	
									4482	1.459	34.696	3.57	0.06	

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Cruise:	KH-11-10		Station:	St.13		Date:	2012/1/5		Latitude:	15	00.03S		Depth:	3640m
Leg:	2		Cast:	C2 (Shallow)		Time:	14:10		Longitude:	119	59.99W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.8	***	***	***	4.81	0.112	5	25.512	35.881	4.52	0.37	
1	65	65	23.628	36.050	4.62	1.03		0.261	10	25.510	35.882	4.53	0.40	
2	149	150	21.981	36.187	4.36	0.28	4.61	0.079	20	25.207	35.882	4.60	0.50	
3	124	125	22.513	36.218	4.43	0.52	4.68	0.148	30	24.923	35.877	4.60	0.66	
4	100	100	22.884	36.165	4.46	0.74	4.72	0.188	40	24.766	35.888	4.61	0.79	
5	75	75	23.460	36.081	4.63	1.01	4.84	0.254	50	24.494	35.897	4.63	0.95	
6	50	50	24.192	35.911	4.62	1.00		0.277	75	23.450	36.084	4.62	1.02	
7	31	31	24.902	35.882	4.61	0.68	4.90	0.190	100	22.927	36.166	4.47	0.74	
8	21	21	25.188	35.881	4.59	0.48	4.88	0.157	125	22.526	36.223	4.42	0.51	
9	10	10	25.497	35.880	4.53	0.36	4.83	0.126	150	21.976	36.200	4.35	0.27	
10	6	6	25.499	35.881	4.51	0.32	4.81	0.114	161	21.337	36.092	4.27	0.20	
11	65	65	23.629	36.050	4.60	1.01								
12	65	66	23.594	36.057	4.62	0.98								
13	150	151	22.050	36.200	4.38	0.28								
14	150	151	22.060	36.202	4.37	0.30								
15	99	100	22.932	36.164	4.47	0.76								
16	99	100	22.923	36.165	4.48	0.76								
17	75	76	23.450	36.083	4.62	1.00								
18	75	75	23.454	36.082	4.60	1.03								
19	50	50	24.181	35.915	4.64	0.94								
20	50	51	24.154	35.919	4.63	0.95								
21	30	31	24.899	35.883	4.61	0.67								
22	31	31	24.908	35.883	4.61	0.65								
23	11	11	25.503	35.880	4.53	0.33								
24	11	11	25.502	35.881	4.53	0.34								

Cruise:	KH-11-10		Station:	St.13		Date:	2012/1/5		Latitude:	15	00.01S		Depth:	3639m
Leg:	2		Cast:	C3 (Light Depth)		Time:	15:40		Longitude:	120	00.01W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	26.2	***	***	***			2	25.500	35.880	4.49	0.23	
1	107	107	22.623	36.188	4.41	0.58			5	25.501	35.880	4.51	0.21	
2	107	107	22.619	36.190	4.42	0.58			10	25.503	35.880	4.53	0.25	
3	107	108	22.674	36.180	4.43	0.63			20	25.197	35.883	4.60	0.33	
4	62	62	23.742	36.026	4.62	0.98			30	24.921	35.881	4.61	0.52	
5	62	62	23.741	36.024	4.61	0.98			40	24.738	35.889	4.62	0.68	
6	62	63	23.767	36.024	4.61	0.99			50	24.378	35.893	4.66	0.80	
7	62	63	23.770	36.024	4.62	1.03			75	23.438	36.079	4.58	0.89	
8	24	24	25.154	35.880	4.60	0.37			100	22.837	36.172	4.45	0.70	
9	24	24	25.153	35.881	4.59	0.43			125	22.426	36.241	4.40	0.48	
10	24	24	25.137	35.881	4.60	0.37			150	21.912	36.183	4.35	0.26	
11	24	24	25.162	35.882	4.61	0.37			158	21.542	36.124	4.29	0.20	
12	10	10	25.509	35.877	4.54	0.24								
13	10	10	25.514	35.878	4.53	0.23								
14	10	10	25.514	35.878	4.53	0.25								
15	10	10	25.511	35.879	4.53	0.24								
16	3	3	25.528	35.879	4.52	0.18								
17	3	3	25.529	35.879	4.53	0.18								
18	3	3	25.530	35.879	4.53	0.18								
19	3	3	25.527	35.880	4.54	0.18								
20	3	3	25.526	35.879	4.53	0.17								
21	3	3	25.527	35.879	4.51	0.17								
22	3	3	25.528	35.879	4.53	0.18								
23	3	3	25.530	35.879	4.54	0.18								
24	3	3	25.528	35.879	4.53	0.18								

Cruise:	KH-11-10		Station:	St.13		Date:	2012/1/5		Latitude:	14 59.99S		Depth:	3639m
Leg:	2		Cast:	C4 (Deep)		Time:	16:44		Longitude:	120 00.03W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	26.1	***	***	***			5	25.548	35.878	4.53	0.22
1	3586	3638	1.693	34.683	3.34	0.06	3.71		10	25.537	35.878	4.53	0.22
2	2963	3001	1.720	34.678	3.33	0.06	3.62		20	25.169	35.881	4.61	0.29
3	2471	2500	1.838	34.670	3.19	0.06	3.46		30	24.928	35.881	4.62	0.43
4	1981	2002	2.179	34.639	2.93	0.06	3.16		40	24.763	35.888	4.61	0.58
5	1486	1500	2.967	34.589	2.36	0.06	2.52		50	24.205	35.893	4.63	0.78
6	991	999	4.507	34.516	2.05	0.06	2.13		75	23.393	36.087	4.58	0.86
7	744	750	5.788	34.503	1.61	0.06	1.72		100	22.851	36.170	4.47	0.70
8	496	500	8.061	34.576	1.29	0.06	1.37		125	22.479	36.249	4.41	0.51
9	396	399	9.956	34.627	0.62	0.06	0.70		150	21.904	36.177	4.35	0.26
10	298	300	13.389	34.737	2.52	0.05	2.41	nd	175	20.732	35.963	4.23	0.17
11	249	251	17.341	35.297	3.88	0.05	4.04	nd	200	19.908	35.786	4.21	0.08
12	199	200	19.931	35.788	4.22	0.10	4.44	0.011	250	17.574	35.337	3.90	0.05
13	3586	3638	1.693	34.683	3.35	0.06			300	12.366	34.675	1.46	0.05
14	2963	3002	1.719	34.678	3.33	0.06			400	9.545	34.615	0.73	0.06
15	2471	2500	1.838	34.670	3.19	0.06			500	7.982	34.575	1.32	0.06
16	1982	2003	2.177	34.639	2.93	0.06			600	6.843	34.526	1.53	0.07
17	1486	1500	2.965	34.589	2.35	0.06			700	6.077	34.506	1.59	0.06
18	992	1000	4.501	34.516	2.05	0.06			800	5.535	34.503	1.74	0.06
19	745	750	5.787	34.503	1.61	0.06			900	5.017	34.504	1.92	0.06
20	496	500	8.062	34.577	1.29	0.06			1000	4.514	34.517	1.99	0.06
21	396	399	9.960	34.627	0.62	0.06			1200	3.806	34.545	2.09	0.06
22	299	301	13.443	34.744	2.57	0.06			1500	2.977	34.589	2.33	0.06
23	199	200	19.930	35.789	4.21	0.09			2000	2.181	34.639	2.94	0.06
24	198	199	19.915	35.789	4.22	0.10			2500	1.841	34.670	3.22	0.06
									3000	1.724	34.678	3.37	0.06
									3500	1.681	34.683	3.42	0.06
									3640	1.693	34.683	3.39	0.06

Cruise:	KH-11-10		Station:	St.14		Date:	2012/1/6		Latitude:	20	00.35S		Depth:	3589m
Leg:	2		Cast:	C1 (Light Depth)		Time:	15:16		Longitude:	120	00.13W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.9	***	***	***			5	25.791	36.273	4.50	0.34	
1	138	139	22.640	36.411	4.43	0.41			10	25.655	36.281	4.56	0.34	
2	138	139	22.642	36.411	4.43	0.45			20	24.804	36.259	4.70	0.47	
3	139	140	22.643	36.411	4.42	0.42			30	24.559	36.261	4.66	0.55	
4	80	81	23.124	36.404	4.53	0.77			40	24.210	36.241	4.69	0.69	
5	81	81	23.146	36.401	4.52	0.83			50	24.078	36.244	4.67	0.80	
6	81	81	23.150	36.400	4.51	0.79			75	23.278	36.370	4.54	0.83	
7	80	80	23.147	36.398	4.53	0.75			100	22.875	36.412	4.49	0.68	
8	34	35	24.486	36.259	4.69	0.62			125	22.687	36.407	4.42	0.53	
9	35	35	24.498	36.259	4.68	0.61			150	22.607	36.411	4.41	0.37	
10	35	35	24.501	36.260	4.67	0.60			175	22.484	36.396	4.39	0.13	
11	18	18	25.446	36.290	4.57	0.37			200	22.340	36.367	4.40	0.09	
12	18	18	25.467	36.291	4.57	0.40			201	22.323	36.363	0.00	0.09	
13	18	18	25.487	36.293	4.58	0.41								
14	7	7	25.912	36.244	4.48	0.30								
15	7	7	25.915	36.247	4.48	0.31								
16	7	7	25.916	36.246	4.48	0.30								
17	7	7	25.910	36.237	4.48	0.31								
18	7	7	25.910	36.235	4.48	0.29								
19	7	7	25.900	36.229	4.48	0.30								
20	7	7	25.899	36.221	4.47	0.29								
21	7	7	25.904	36.230	4.48	0.31								
22	7	7	25.907	36.235	4.48	0.30								
23	7	7	25.906	36.232	4.48	0.30								
24	7	7	25.896	36.223	4.46	0.29								
#10 Miss Trigger														

Cruise:	KH-11-10		Station:	St.14		Date:	2012/1/6		Latitude:	19	59.98S		Depth:	3524m
Leg:	2		Cast:	C2 (Shallow)		Time:	16:28		Longitude:	120	00.16W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.7	***	***	***	4.75	0.095	5	25.919	36.247	4.50	0.27	
1	78	78	23.324	36.371	4.55	0.82		0.200	10	25.913	36.247	4.48	0.29	
2	150	151	22.556	36.406	4.42	0.26	4.69	0.080	20	25.359	36.291	4.60	0.33	
3	125	126	22.658	36.411	4.44	0.46	4.71	0.140	30	24.689	36.257	4.71	0.45	
4	100	101	22.853	36.422	4.50	0.61	4.76	0.173	40	24.441	36.261	4.70	0.62	
5	75	76	23.632	36.310	4.58	0.82	4.83	0.198	50	24.115	36.242	4.70	0.68	
6	50	50	24.183	36.239	4.71	0.67	4.98	0.217	75	23.554	36.320	4.58	0.82	
7	30	31	24.650	36.257	4.71	0.49	4.99	0.179	100	22.897	36.416	4.50	0.72	
8	20	20	25.267	36.290	4.61	0.40	4.91	0.145	125	22.705	36.412	4.45	0.58	
9	10	11	25.903	36.233	4.49	0.28	4.81	0.115	150	22.581	36.409	4.42	0.31	
10	5	5	25.914	36.230	4.47	0.28	4.77	0.104	151	22.571	36.408	0.00	0.27	
11	78	78	23.393	36.365	4.57	0.82								
12	78	79	23.394	36.365	4.58	0.82								
13	149	150	22.558	36.407	4.42	0.26								
14	149	150	22.563	36.407	4.42	0.27								
15	100	101	22.851	36.422	4.50	0.68								
16	101	101	22.848	36.422	4.50	0.65								
17	76	76	23.619	36.315	4.58	0.76								
18	75	75	23.629	36.311	4.59	0.84								
19	50	51	24.174	36.239	4.72	0.64								
20	50	51	24.172	36.240	4.71	0.66								
21	31	31	24.649	36.257	4.71	0.49								
22	30	30	24.657	36.257	4.71	0.48								
23	11	11	25.868	36.254	4.51	0.29								
24	11	11	25.893	36.243	4.49	0.28								

Cruise:	KH-11-10		Station:	St.14		Date:	2012/1/6		Latitude:	19	59.95S		Depth:	3471m
Leg:	2		Cast:	C3 (Deep)		Time:	18:44		Longitude:	120	00.03W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.9	***	***	***			5	25.908	36.252	4.49	0.26	
1	3519	3571	1.735	34.680	3.34	0.06	3.71		10	25.888	36.251	4.49	0.27	
2	2962	3001	1.746	34.675	3.34	0.06	3.66		20	25.268	36.292	4.63	0.34	
3	2470	2500	1.856	34.667	3.29	0.06	3.58		30	24.703	36.258	4.71	0.44	
4	1978	2000	2.052	34.641	3.24	0.06	3.52		40	24.489	36.261	4.69	0.59	
5	1486	1500	2.967	34.571	2.79	0.06	3.01		50	24.209	36.242	4.70	0.64	
6	992	1000	4.178	34.502	2.48	0.06	2.63		75	23.774	36.295	4.58	0.88	
7	744	750	5.124	34.340	3.53	0.06	3.70		100	23.084	36.409	4.51	0.75	
8	498	501	7.766	34.396	2.91	0.06	3.07		125	22.769	36.408	4.45	0.69	
9	397	400	11.839	34.548	3.71	0.05	3.81		150	22.655	36.411	4.43	0.47	
10	298	300	18.285	35.483	4.21	0.05	4.45	0.010	175	22.525	36.402	4.40	0.19	
11	248	250	20.222	35.865	4.27	0.06	4.52	0.011	200	22.376	36.374	4.41	0.10	
12	199	201	21.996	36.283	4.39	0.07	4.64	0.019	250	21.226	36.102	4.28	0.07	
13	3519	3571	1.735	34.680	3.34	0.06			300	18.981	35.610	4.19	0.05	
14	2961	3001	1.746	34.675	3.35	0.06			400	11.794	34.548	3.72	0.05	
15	2470	2500	1.856	34.667	3.30	0.06			500	7.847	34.399	2.86	0.05	
16	1978	2000	2.052	34.641	3.25	0.06			600	6.228	34.332	4.07	0.05	
17	1486	1500	2.968	34.571	2.79	0.06			700	5.535	34.322	3.95	0.05	
18	992	1000	4.179	34.502	2.47	0.06			800	4.934	34.363	3.25	0.05	
19	744	750	5.124	34.340	3.52	0.06			900	4.444	34.446	2.71	0.06	
20	498	501	7.767	34.396	2.91	0.06			1000	4.210	34.499	2.49	0.06	
21	397	400	11.843	34.548	3.71	0.05			1200	3.528	34.544	2.49	0.06	
22	199	200	22.021	36.290	4.39	0.07			1500	2.915	34.573	2.82	0.06	
23	199	201	22.003	36.287	4.39	0.08			2000	2.063	34.640	3.25	0.06	
24	199	201	22.001	36.286	4.40	0.07			2500	1.863	34.666	3.31	0.06	
									3000	1.749	34.675	3.37	0.06	
									3500	1.731	34.680	3.40	0.06	
									3567	1.735	34.680	3.41	0.06	

[illegible]

Cruise:	KH-11-10		Station:	St.15		Date:	2012/1/7		Latitude:	22	59.93S		Depth:	3724m
Leg:	2		Cast:	C1 (Shallow)		Time:	12:32		Longitude:	120	00.04W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.4	***	***	***	4.70	0.064	5	25.209	36.479	4.47	0.29	
1	174	175	21.452	36.147	4.66	0.52		0.185	10	25.219	36.479	4.47	0.30	
2	149	150	22.047	36.267	4.69	0.25		0.113	20	25.113	36.532	4.51	0.23	
3	123	124	22.513	36.355	4.71	0.19	5.00	0.069	30	24.750	36.591	4.55	0.11	
4	99	100	22.909	36.428	4.71	0.15	5.00	0.052	40	24.517	36.577	4.55	0.11	
5	75	76	23.178	36.460	4.70	0.13	4.96	0.043	50	24.062	36.546	4.65	0.12	
6	50	50	24.093	36.547	4.62	0.12	4.91	0.040	75	23.207	36.461	4.70	0.12	
7	30	31	24.772	36.593	4.52	0.11	4.80	0.033	100	22.872	36.423	4.69	0.15	
8	20	20	25.116	36.533	4.49	0.22	4.76	0.062	125	22.460	36.344	4.72	0.18	
9	11	11	25.220	36.482	4.46	0.28	4.78	0.065	150	22.034	36.265	4.68	0.25	
10	5	5	25.234	36.482	4.46	0.29	4.73	0.068	175	21.437	36.145	4.67	0.52	
11	174	175	21.516	36.162	4.64	0.52			200	20.708	35.982	4.57	0.37	
12	173	174	21.521	36.163	4.65	0.55			203	20.594	35.956	4.57	0.33	
13	148	149	22.050	36.269	4.69	0.25								
14	149	150	22.049	36.268	4.70	0.25								
15	100	101	22.913	36.429	4.72	0.14								
16	99	100	22.912	36.429	4.71	0.15								
17	74	75	23.186	36.462	4.69	0.14								
18	75	75	23.177	36.461	4.68	0.14								
19	50	51	24.087	36.548	4.62	0.12								
20	50	50	24.105	36.548	4.62	0.12								
21	30	30	24.769	36.593	4.52	0.11								
22	31	31	24.761	36.593	4.54	0.11								
23	10	10	25.216	36.483	4.47	0.29								
24	11	11	25.230	36.482	4.47	0.29								

Cruise:	KH-11-10		Station:	St.15		Date:	2012/1/7		Latitude:	22	59.97S		Depth:	3730m
Leg:	2		Cast:	C2 (Light Depth 1)		Time:	16:00		Longitude:	120	00.04W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.8	***	***	***			5	25.233	36.494	4.47	0.12	
1	194	195	21.354	36.126	4.66	0.53			10	25.223	36.493	4.47	0.15	
2	194	195	21.358	36.126	4.67	0.53			20	25.165	36.524	4.48	0.14	
3	194	195	21.362	36.128	4.66	0.51			30	24.738	36.591	4.54	0.09	
4	194	195	21.360	36.127	4.67	0.56			40	24.540	36.578	4.57	0.09	
5	194	195	21.360	36.127	4.66	0.57			50	24.007	36.545	4.63	0.10	
6	154	155	22.147	36.292	4.68	0.24			75	23.278	36.456	4.70	0.11	
7	154	155	22.170	36.297	4.69	0.25			100	22.985	36.441	4.72	0.13	
8	155	156	22.171	36.297	4.70	0.24			125	22.691	36.393	4.71	0.18	
9	155	156	22.170	36.297	4.68	0.24			150	22.278	36.318	4.70	0.21	
10	155	156	22.170	36.297	4.68	0.25			175	21.762	36.215	4.63	0.37	
11	42	42	24.191	36.551	4.59	0.09			200	21.172	36.086	4.66	0.51	
12	42	42	24.178	36.551	4.60	0.09			201	21.137	36.081	4.67	0.47	
13	42	42	24.172	36.551	4.61	0.09								
14	42	42	24.180	36.552	4.60	0.09								
15	42	42	24.172	36.551	4.61	0.09								
16	17	17	25.226	36.498	4.46	0.12								
17	16	16	25.225	36.499	4.48	0.12								
18	16	16	25.222	36.500	4.47	0.12								
19	17	17	25.229	36.498	4.47	0.12								
20	5	5	25.272	36.498	4.47	0.11								
21	5	5	25.267	36.498	4.47	0.10								
22	5	5	25.251	36.498	4.47	0.10								
23	193	195	21.365	36.129	4.65	0.54								
24	154	156	22.180	36.299	4.68	0.22								
#10 Miss Trigger														

[illegible]

Cruise:	KH-11-10		Station:	St.15		Date:	2012/1/7		Latitude:	22		59.95S		Depth:	3731m	
Leg:	2		Cast:	C4 (Incubation)		Time:	18:21		Longitude:	120		00.09W				
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)							
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.			
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l			
Sur.	0	***	26.4	***	***	***			5	25.430	36.503	4.47	0.08			
1	992	1001	4.243	34.450	3.01	0.06			10	25.427	36.503	4.48	0.08			
2	992	1001	4.244	34.450	3.02	0.05			20	25.048	36.570	4.51	0.09			
3	992	1001	4.244	34.450	3.02	0.05			30	24.726	36.596	4.53	0.07			
4	992	1001	4.244	34.450	3.01	0.05			40	24.122	36.549	4.64	0.08			
5	398	400	11.308	34.546	4.16	0.05			50	23.793	36.526	4.65	0.08			
6	398	401	11.300	34.545	4.16	0.05			75	23.172	36.462	4.69	0.10			
7	199	200	20.947	36.036	4.64	0.51			100	22.852	36.421	4.72	0.14			
8	198	200	20.976	36.042	4.63	0.49			125	22.615	36.378	4.71	0.19			
9	100	100	22.755	36.403	4.73	0.15			150	22.240	36.311	4.70	0.22			
10	100	100	22.756	36.403	4.72	0.15			175	21.752	36.214	4.65	0.40			
11	49	50	23.843	36.531	4.67	0.08			200	21.255	36.105	4.67	0.52			
12	10	10	25.377	36.500	4.48	0.08			250	19.175	35.639	4.41	0.23			
13	10	10	25.307	36.500	4.48	0.08			300	15.864	35.052	4.27	0.06			
14	10	10	25.294	36.500	4.48	0.08			400	11.472	34.560	4.18	0.05			
15	10	10	25.288	36.500	4.48	0.08			500	7.907	34.377	3.43	0.05			
16	10	10	25.265	36.500	4.48	0.08			600	6.267	34.317	4.60	0.05			
17	10	10	25.263	36.500	4.47	0.08			700	5.543	34.300	4.48	0.05			
18	10	10	25.284	36.500	4.49	0.08			800	4.921	34.317	4.00	0.05			
19	992	1001	4.244	34.450	3.02	0.06			900	4.516	34.382	3.35	0.05			
20	399	401	11.243	34.541	4.16	0.05			1000	4.243	34.451	3.01	0.05			
21	200	201	20.891	36.025	4.62	0.43			1001	4.244	34.452	3.00	0.05			
22	201	202	20.866	36.019	4.62	0.42										
23	100	101	22.755	36.403	4.73	0.15										
24	50	50	23.797	36.528	4.65	0.08										
#10 Miss Trigger																

Cruise:	KH-11-10		Station:	St.15		Date:	2012/1/7		Latitude:	22		59.95S		Depth:	3740m	
Leg:	2		Cast:	C5 (Middle)		Time:	20:07		Longitude:	120		00.55W				
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)							
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.			
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l			
Sur.	0	***	26.3	***	***	***			5	25.472	36.502	4.47	0.07			
1	744	750	5.241	34.300	4.32	0.05	4.59		10	25.403	36.501	4.48	0.08			
2	496	500	7.752	34.371	3.47	0.05	3.67		20	24.858	36.594	4.54	0.07			
3	397	400	10.906	34.515	4.15	0.05	4.38		30	24.583	36.576	4.57	0.07			
4	298	300	16.429	35.130	4.30	0.08	4.57	0.013	40	24.138	36.549	4.63	0.07			
5	248	250	18.765	35.549	4.39	0.21	4.63	0.056	50	23.763	36.525	4.66	0.08			
6	199	200	20.972	36.041	4.64	0.47	4.90	0.143	75	23.157	36.459	4.70	0.09			
7	496	500	7.734	34.371	3.46	0.05			100	22.749	36.403	4.72	0.14			
8	497	500	7.726	34.371	3.47	0.05			125	22.349	36.324	4.71	0.20			
9	298	300	16.414	35.130	4.30	0.07			150	21.894	36.245	4.66	0.31			
10	298	300	16.373	35.125	4.30	0.08			175	21.393	36.137	4.65	0.52			
11	198	200	20.973	36.042	4.63	0.50			200	20.864	36.019	4.61	0.46			
12	199	201	20.967	36.041	4.63	0.47			250	18.524	35.502	4.35	0.19			
13	744	750	5.244	34.300	4.33	0.05			300	16.053	35.079	4.29	0.07			
14	745	751	5.243	34.300	4.33	0.05			400	11.026	34.527	4.17	0.05			
15	496	500	7.727	34.371	3.47	0.05			500	7.721	34.372	3.45	0.05			
16	497	500	7.727	34.371	3.47	0.05			600	6.222	34.317	4.54	0.05			
17	398	401	10.887	34.515	4.16	0.05			700	5.568	34.298	4.54	0.05			
18	399	402	10.884	34.515	4.16	0.05			752	5.228	34.302	4.32	0.05			
19	298	301	16.335	35.119	4.30	0.07										
20	298	300	16.352	35.121	4.30	0.08										
21	248	250	18.730	35.543	4.38	0.21										
22	249	250	18.683	35.537	4.39	0.20										
23	200	201	20.962	36.040	4.64	0.47										
24	199	201	20.966	36.041	4.65	0.48										

Cruise:	KH-11-10		Station:	St.15		Date:	2012/1/7		Latitude:	22	59.95S		Depth:	3731m
Leg:	2		Cast:	C6 (Deep)		Time:	22:04		Longitude:	119	59.97W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.5	***	***	***			5	25.414	36.502	4.46	0.11	
1	3693	3749	1.745	34.678	3.39	0.06	3.80		10	25.408	36.502	4.47	0.11	
2	2959	2999	1.778	34.672	3.38	0.06	3.72		20	25.181	36.534	4.50	0.12	
3	2470	2500	1.883	34.664	3.30	0.06	3.63		30	24.871	36.595	4.52	0.09	
4	1978	2000	2.064	34.640	3.25	0.06	3.52		40	24.581	36.576	4.55	0.08	
5	1485	1500	2.726	34.570	3.16	0.06	3.42		50	24.151	36.550	4.61	0.09	
6	991	1000	4.237	34.456	2.96	0.06	3.15		75	23.432	36.481	4.68	0.10	
7	3695	3751	1.745	34.678	3.40	0.06			100	22.900	36.428	4.70	0.13	
8	3695	3752	1.745	34.678	3.39	0.05			125	22.414	36.334	4.71	0.19	
9	3696	3752	1.745	34.678	3.40	0.06			150	21.873	36.241	4.67	0.31	
10	3696	3752	1.745	34.678	3.41	0.06			175	21.444	36.149	4.68	0.51	
11	2960	3000	1.778	34.672	3.39	0.06			200	21.028	36.058	4.63	0.50	
12	2959	2999	1.778	34.672	3.38	0.06			250	18.791	35.567	4.38	0.22	
13	2959	2999	1.778	34.672	3.39	0.06			300	16.079	35.083	4.29	0.07	
14	1978	2000	2.068	34.640	3.24	0.06			400	10.791	34.509	4.14	0.05	
15	1978	2001	2.068	34.640	3.25	0.06			500	7.646	34.373	3.43	0.05	
16	1978	2000	2.068	34.640	3.24	0.06			600	6.228	34.316	4.60	0.05	
17	1978	2000	2.068	34.640	3.24	0.06			700	5.507	34.297	4.52	0.05	
18	1979	2001	2.068	34.640	3.24	0.06			800	4.949	34.315	4.01	0.05	
19	1485	1500	2.726	34.570	3.16	0.06			900	4.557	34.375	3.40	0.05	
20	991	1000	4.235	34.456	2.96	0.06			1000	4.243	34.450	3.02	0.05	
21	992	1001	4.237	34.456	2.96	0.06			1200	3.594	34.517	2.99	0.06	
22	991	1000	4.235	34.456	2.97	0.06			1500	2.732	34.570	3.17	0.06	
23	992	1000	4.235	34.456	2.97	0.06			2000	2.083	34.638	3.25	0.05	
24	3697	3754	1.745	34.679	3.39	0.06			2500	1.884	34.664	3.32	0.06	
									3000	1.783	34.672	3.41	0.06	
									3500	1.726	34.678	3.48	0.06	
									3734	1.743	34.679	3.46	0.06	

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Cruise:	KH-11-10		Station:	St.15		Date:	2012/1/8		Latitude:	22	59.92S		Depth:	3724m
Leg:	2		Cast:	C8 (Light Depth 2)		Time:	05:54		Longitude:	120	00.03W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.6	***	***	***			5	25.404	36.475	4.47	0.24	
1	194	195	20.869	36.021	4.62	0.44			10	25.412	36.476	4.47	0.23	
2	194	196	20.878	36.023	4.62	0.44			20	25.184	36.483	4.49	0.24	
3	194	195	20.875	36.023	4.64	0.44			30	24.805	36.593	4.54	0.12	
4	194	196	20.878	36.023	4.62	0.43			40	24.216	36.554	4.61	0.11	
5	154	155	21.629	36.188	4.64	0.47			50	24.080	36.544	4.62	0.11	
6	154	155	21.676	36.198	4.65	0.46			75	23.393	36.467	4.68	0.11	
7	155	156	21.664	36.195	4.65	0.46			100	22.697	36.383	4.73	0.15	
8	153	154	21.701	36.203	4.64	0.47			125	22.229	36.303	4.70	0.20	
9	42	42	24.198	36.551	4.62	0.12			150	21.758	36.217	4.66	0.40	
10	42	42	24.195	36.552	4.61	0.11			175	21.293	36.116	4.68	0.55	
11	42	42	24.194	36.552	4.62	0.11			200	20.697	35.982	4.60	0.38	
12	43	43	24.181	36.551	4.62	0.11			201	20.689	35.980	4.58	0.36	
13	16	16	25.281	36.482	4.46	0.25								
14	16	16	25.387	36.475	4.46	0.25								
15	16	16	25.346	36.477	4.47	0.24								
16	16	16	25.372	36.478	4.47	0.24								
17	5	5	25.411	36.480	4.47	0.24								
18	5	5	25.411	36.480	4.47	0.24								
19	5	6	25.412	36.480	4.44	0.25								
20	5	5	25.413	36.480	4.47	0.25								
21	5	5	25.414	36.479	4.46	0.25								
22	5	5	25.414	36.480	4.46	0.25								
23	5	5	25.414	36.480	4.45	0.25								
24	5	5	25.413	36.480	4.48	0.24								

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Cruise:	KH-11-10		Station:	St.15		Date:	2012/1/9		Latitude:	23	00.83S		Depth:	3705m
Leg:	2		Cast:	C11 (Flux 3)		Time:	07:01		Longitude:	120	03.44W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.7	***	***	***			5	25.459	36.523	4.46	0.26	
1	51	51	23.703	36.513	4.67	0.11			10	25.463	36.523	4.48	0.23	
2	50	50	23.718	36.512	4.67	0.11			20	25.422	36.525	4.50	0.23	
3	50	50	23.721	36.512	4.67	0.12			30	24.858	36.575	4.55	0.14	
4	50	50	23.711	36.514	4.67	0.11			40	24.287	36.557	4.62	0.12	
5	50	50	23.709	36.513	4.67	0.11			50	23.789	36.512	4.66	0.11	
6	50	50	23.715	36.514	4.66	0.11			51	23.746	36.506	4.68	0.10	
7	25	25	24.993	36.564	4.52	0.15								
8	25	25	24.991	36.565	4.53	0.15								
9	25	25	24.988	36.566	4.53	0.15								
10	25	25	25.054	36.559	4.52	0.16								
11	25	25	25.068	36.557	4.52	0.17								
12	25	25	25.061	36.559	4.52	0.17								
13	10	10	25.459	36.523	4.48	0.23								
14	10	10	25.461	36.523	4.48	0.23								
15	10	10	25.465	36.523	4.48	0.22								
16	10	10	25.461	36.523	4.49	0.23								
17	10	10	25.460	36.523	4.48	0.27								
18	10	10	25.461	36.523	4.49	0.24								
19	5	5	25.459	36.522	4.47	0.24								
20	5	5	25.460	36.522	4.48	0.23								
21	5	5	25.466	36.523	4.48	0.24								
22	4	4	25.463	36.523	4.47	0.24								
23	5	5	25.462	36.523	4.47	0.23								
24	5	5	25.463	36.523	4.48	0.23								

[illegible]

Cruise:	KH-11-10		Station:	St.16		Date:	2012/1/10		Latitude:	26	30.00S	Depth:	3254m
Leg:	2		Cast:	C1 (Deep)		Time:	05:46		Longitude:	119	59.96W		
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	24.6	***	***	***			5	24.451	36.329	4.56	0.07
1	3362	3411	1.724	34.677	3.45	0.06	3.80		10	24.458	36.329	4.58	0.07
2	2960	3000	1.722	34.674	3.45	0.06	3.77		20	24.459	36.329	4.57	0.07
3	2470	2501	1.874	34.659	3.34	0.06	3.62		30	24.363	36.332	4.58	0.07
4	1978	2000	2.091	34.635	3.27	0.06	3.52		40	23.856	36.288	4.66	0.08
5	1485	1500	2.696	34.561	3.21	0.06	3.43		50	22.826	36.162	4.80	0.08
6	991	1000	4.233	34.367	3.52	0.06	3.72		75	21.649	35.958	4.91	0.10
7	744	750	5.513	34.291	4.64	0.05	4.89		100	20.989	35.869	4.92	0.14
8	497	501	7.411	34.341	4.63	0.05	4.89		125	20.457	35.802	4.90	0.19
9	397	400	10.062	34.468	4.57	0.05	4.81		150	19.787	35.700	4.83	0.32
10	298	300	14.533	34.917	4.40	0.05	4.63	nd	175	19.152	35.591	4.60	0.73
11	249	251	16.478	35.143	4.49	0.17	4.75	0.059	200	18.324	35.430	4.64	0.52
12	199	201	18.257	35.417	4.61	0.51	4.83	0.169	250	16.755	35.178	4.57	0.21
13	148	149	19.844	35.708	4.80	0.35	5.08	0.109	300	14.648	34.915	4.37	0.05
14	1976	1999	2.092	34.635	3.28	0.06			400	10.702	34.536	4.40	0.05
15	1485	1500	2.696	34.561	3.21	0.06			500	7.670	34.348	4.61	0.05
16	992	1001	4.233	34.367	3.54	0.06			600	6.410	34.316	4.81	0.05
17	744	750	5.516	34.291	4.64	0.05			700	5.756	34.295	4.76	0.05
18	497	501	7.402	34.341	4.63	0.05			800	5.276	34.293	4.50	0.05
19	398	401	10.048	34.467	4.58	0.05			900	4.688	34.324	3.92	0.05
20	298	300	14.531	34.918	4.39	0.05			1000	4.207	34.372	3.47	0.06
21	198	200	18.304	35.425	4.62	0.53			1200	3.481	34.463	3.15	0.05
22	199	200	18.254	35.417	4.62	0.48			1500	2.687	34.562	3.20	0.06
23	149	150	19.926	35.725	4.79	0.35			2000	2.095	34.634	3.28	0.06
24	149	150	19.928	35.725	4.81	0.34			2500	1.877	34.659	3.36	0.06
									3000	1.722	34.674	3.48	0.06
									3409	1.724	34.677	3.50	0.05

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Cruise:	KH-11-10		Station:	St.17		Date:	2012/1/11		Latitude:	30	00.01S		Depth:	3573m
Leg:	2		Cast:	C2 (Deep)		Time:	06:46		Longitude:	119	59.86W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	23.1	***	***	***			5	22.676	35.740	4.74	0.07	
1	3565	3620	1.675	34.682	3.49	0.06	3.86		10	22.679	35.740	4.74	0.07	
2	2959	3001	1.685	34.676	3.47	0.06	3.79		20	22.586	35.731	4.74	0.07	
3	2469	2500	1.814	34.661	3.36	0.06			30	22.255	35.701	4.79	0.08	
4	1977	2000	2.086	34.633	3.28	0.06	3.53		40	20.856	35.579	5.01	0.10	
5	1484	1499	2.667	34.546	3.42	0.06	3.67		50	19.861	35.513	5.10	0.10	
6	991	1000	4.438	34.314	4.16	0.05	4.36		75	18.728	35.320	5.21	0.12	
7	744	750	5.711	34.288	5.03	0.05	5.31		100	18.066	35.247	5.24	0.17	
8	496	500	7.019	34.333	4.95	0.05	5.23		125	17.230	35.121	5.20	0.30	
9	397	400	8.762	34.379	4.99	0.05	5.23		150	16.520	35.018	5.17	0.78	
10	298	301	11.985	34.597	4.70	0.06	4.95	nd	175	15.790	34.928	4.96	0.61	
11	248	249	13.710	34.733	4.80	0.14	5.02	0.036	200	15.110	34.878	4.93	0.30	
12	198	199	14.996	34.857	4.97	0.33	5.20	0.104	250	13.709	34.735	4.76	0.15	
13	150	151	16.806	35.068	5.20	0.71	5.39	0.200	300	12.426	34.641	4.67	0.06	
14	1977	2000	2.086	34.633	3.29	0.06			400	8.862	34.383	4.97	0.05	
15	991	1001	4.435	34.315	4.16	0.05			500	7.026	34.336	4.91	0.05	
16	744	750	5.713	34.288	5.03	0.05			600	6.366	34.317	5.23	0.05	
17	496	500	7.026	34.333	4.94	0.05			700	5.911	34.294	5.15	0.05	
18	397	400	8.763	34.379	4.99	0.05			800	5.410	34.281	4.94	0.05	
19	296	299	11.971	34.597	4.69	0.06			900	4.934	34.288	4.63	0.05	
20	198	199	15.105	34.875	4.95	0.33			1000	4.387	34.321	4.10	0.05	
21	198	199	15.122	34.877	4.95	0.32			1200	3.564	34.414	3.49	0.05	
22	198	200	15.126	34.878	4.95	0.31			1500	2.686	34.543	3.42	0.06	
23	150	151	16.793	35.067	5.21	0.67			2000	2.094	34.632	3.29	0.06	
24	150	151	16.789	35.067	5.19	0.66			2500	1.819	34.661	3.37	0.06	
#9 Miss Trigger									3000	1.685	34.676	3.50	0.06	
									3500	1.669	34.682	3.55	0.06	
									3619	1.675	34.682	3.56	0.06	

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Cruise:	KH-11-10		Station:	St.18		Date:	2012/1/13		Latitude:	29	59.97S		Depth:	3288m
Leg:	2		Cast:	C2 (Shallow)		Time:	11:50		Longitude:	107	00.03W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	21.9	***	***	***	5.06	0.022	5	21.739	35.565	4.82	0.08	
1	154	155	17.455	35.214	5.03	0.65		0.060	10	21.742	35.565	4.82	0.07	
2	149	150	17.583	35.237	5.05	0.71	5.31	0.074	20	21.717	35.563	4.82	0.08	
3	124	125	17.938	35.285	5.16	0.31	5.43	0.032	30	21.056	35.505	4.97	0.09	
4	100	101	18.726	35.441	5.15	0.16	5.43	0.056	40	19.767	35.390	5.13	0.10	
5	75	75	19.121	35.473	5.15	0.13	5.41	0.036	50	19.755	35.512	5.09	0.09	
6	50	50	19.667	35.478	5.13	0.10	5.40	0.027	75	19.111	35.473	5.15	0.13	
7	31	31	20.365	35.434	5.05	0.12	5.33	0.031	100	18.621	35.422	5.14	0.18	
8	20	20	21.736	35.564	4.81	0.09	5.14	0.025	125	17.937	35.286	5.16	0.31	
9	10	10	21.735	35.566	4.81	0.09	5.08	0.024	150	17.508	35.223	5.03	0.66	
10	5	5	21.736	35.566	4.81	0.09	5.07	0.022	151	17.494	35.221	5.03	0.69	
11	155	156	17.459	35.215	5.04	0.61								
12	154	155	17.487	35.220	5.02	0.66								
13	149	150	17.595	35.238	5.05	0.66								
14	149	150	17.619	35.243	5.05	0.67								
15	100	100	18.724	35.439	5.15	0.16								
16	100	100	18.726	35.440	5.14	0.16								
17	75	76	19.111	35.473	5.13	0.14								
18	75	76	19.110	35.474	5.13	0.13								
19	50	50	19.669	35.477	5.12	0.10								
20	50	50	19.670	35.478	5.12	0.10								
21	31	31	20.283	35.428	5.05	0.12								
22	31	31	20.254	35.427	5.04	0.11								
23	10	10	21.738	35.566	4.81	0.08								
24	10	11	21.738	35.566	4.80	0.08								

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Cruise:	KH-11-10		Station:	St.18		Date:	2012/1/13		Latitude:	30	00.04S		Depth:	3343m
Leg:	2		Cast:	C4 (Light Depth 1)		Time:	18:00		Longitude:	107	00.28W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	22.9	***	***	***			5	21.979	35.567	4.81	0.05	
1	194	195	15.987	34.946	4.89	0.44			10	21.920	35.566	4.81	0.05	
2	194	195	15.990	34.947	4.88	0.45			20	21.839	35.565	4.82	0.05	
3	193	195	16.007	34.951	4.87	0.49			30	21.599	35.560	4.84	0.06	
4	193	195	16.022	34.954	4.88	0.44			40	20.212	35.511	5.07	0.06	
5	194	195	16.030	34.956	4.86	0.43			50	19.654	35.484	5.11	0.07	
6	135	136	17.669	35.219	5.17	0.41			75	19.074	35.477	5.15	0.10	
7	134	135	17.665	35.220	5.18	0.43			100	18.577	35.407	5.18	0.17	
8	134	135	17.666	35.220	5.19	0.44			125	17.842	35.260	5.18	0.32	
9	134	135	17.668	35.221	5.19	0.43			150	17.425	35.208	5.02	0.68	
10	134	135	17.671	35.221	5.20	0.43			175	16.612	35.061	4.95	0.60	
11	59	59	19.620	35.548	5.09	0.08			200	15.792	34.901	4.91	0.38	
12	59	59	19.613	35.548	5.11	0.08			200	15.792	34.901	4.91	0.38	
13	59	59	19.629	35.550	5.11	0.08								
14	59	59	19.627	35.549	5.11	0.08								
15	59	59	19.616	35.548	5.10	0.08								
16	26	26	21.663	35.561	4.82	0.06								
17	26	26	21.663	35.561	4.82	0.06								
18	26	26	21.659	35.561	4.82	0.06								
19	25	26	21.667	35.561	4.82	0.06								
20	5	5	21.964	35.566	4.81	0.05								
21	5	5	21.958	35.566	4.80	0.05								
22	5	5	21.961	35.567	4.80	0.05								
23	194	196	16.071	34.965	4.88	0.46								
24	134	135	17.671	35.221	5.19	0.44								

Cruise:	KH-11-10		Station:	St.18		Date:	2012/1/13		Latitude:	30 00.02S		Depth:	3290m
Leg:	2		Cast:	C5 (Deep)		Time:	19:07		Longitude:	107 00.02W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	23.4	***	***	***			5	21.838	35.567	4.80	0.05
1	3302	3351	1.835	34.682	3.42	0.06	3.76		10	21.757	35.566	4.82	0.06
2	2959	3000	1.839	34.674	3.40	0.06	3.73		20	21.728	35.565	4.81	0.06
3	2468	2500	1.837	34.666	3.36	0.06	3.66		30	21.570	35.560	4.84	0.06
4	1976	2000	2.052	34.640	3.33	0.06	3.58		40	20.026	35.462	5.07	0.07
5	1484	1499	2.841	34.552	2.96	0.06	3.18		50	19.654	35.476	5.11	0.07
6	3302	3351	1.835	34.682	3.43	0.06			75	19.152	35.489	5.15	0.10
7	3302	3351	1.835	34.682	3.43	0.05			100	18.696	35.436	5.15	0.16
8	3302	3351	1.835	34.682	3.43	0.06			125	17.961	35.282	5.19	0.31
9	3302	3351	1.835	34.682	3.43	0.06			150	17.532	35.217	5.10	0.66
10	2959	3000	1.839	34.674	3.40	0.06			175	16.717	35.086	4.93	0.61
11	2958	3000	1.839	34.674	3.40	0.06			200	15.802	34.905	4.95	0.42
12	2959	3000	1.839	34.674	3.40	0.06			250	13.853	34.686	4.61	0.15
13	2959	3000	1.839	34.674	3.40	0.06			300	11.760	34.495	4.67	0.05
14	2468	2500	1.837	34.666	3.36	0.05			400	8.117	34.306	4.76	0.05
15	1977	2000	2.052	34.640	3.33	0.06			500	6.657	34.309	4.68	0.05
16	1977	2000	2.053	34.640	3.33	0.06			600	5.997	34.289	5.07	0.05
17	1977	2000	2.053	34.640	3.33	0.06			700	5.558	34.272	5.01	0.05
18	1976	1999	2.053	34.640	3.33	0.06			800	5.127	34.271	4.73	0.05
19	1977	2000	2.053	34.640	3.33	0.06			900	4.575	34.287	4.37	0.05
20	1484	1499	2.846	34.551	2.96	0.06			1000	4.101	34.333	3.80	0.05
21	991	1000	4.064	34.339	3.74	0.06			1200	3.534	34.466	2.78	0.06
22	991	1000	4.081	34.335	3.76	0.05			1500	2.846	34.551	2.95	0.06
23	991	1000	4.075	34.337	3.76	0.06			2000	2.049	34.640	3.35	0.06
24	991	1000	4.078	34.336	3.76	0.06			2500	1.835	34.666	3.39	0.06
									3000	1.838	34.675	3.44	0.05
									3350	1.835	34.682	3.48	0.06

Cruise:	KH-11-10		Station:	St.18		Date:	2012/1/14		Latitude:	30	00.07S		Depth:	3290m
Leg:	2		Cast:	C6 (Light Depth 2)		Time:	00:29		Longitude:	106	59.98W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	23.0	***	***	***			5	22.583	35.574	4.78	0.06	
1	193	194	15.871	34.901	4.99	0.43			10	21.901	35.563	4.80	0.07	
2	193	194	15.871	34.901	4.99	0.42			20	21.780	35.569	4.82	0.07	
3	194	195	15.881	34.904	4.99	0.39			30	21.603	35.561	4.82	0.08	
4	194	195	15.877	34.902	5.00	0.44			40	20.449	35.539	5.04	0.08	
5	135	136	17.798	35.246	5.19	0.39			50	19.665	35.442	5.11	0.09	
6	134	135	17.795	35.245	5.19	0.36			75	19.345	35.531	5.12	0.10	
7	134	135	17.796	35.246	5.19	0.38			100	18.836	35.462	5.14	0.15	
8	135	136	17.781	35.243	5.18	0.38			125	18.019	35.298	5.19	0.28	
9	59	60	19.427	35.475	5.14	0.10			150	17.472	35.183	5.17	0.58	
10	59	59	19.417	35.461	5.14	0.10			175	16.693	35.073	4.99	0.59	
11	59	59	19.427	35.465	5.14	0.10			200	15.640	34.869	4.94	0.37	
12	58	59	19.438	35.464	5.14	0.11			202	15.570	34.858	4.92	0.36	
13	25	25	21.782	35.564	4.80	0.08								
14	25	25	21.783	35.567	4.81	0.08								
15	25	25	21.784	35.567	4.81	0.07								
16	25	25	21.784	35.568	4.81	0.07								
17	5	5	22.732	35.575	4.77	0.06								
18	5	5	22.710	35.575	4.78	0.06								
19	5	5	22.713	35.576	4.79	0.06								
20	5	5	22.689	35.576	4.79	0.06								
21	5	5	22.698	35.575	4.79	0.06								
22	5	5	22.656	35.576	4.80	0.06								
23	5	5	22.673	35.576	4.78	0.06								
24	5	5	22.702	35.577	4.77	0.06								

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Cruise:	KH-11-10		Station:	St.18		Date:	2012/1/14		Latitude:	30	00.85S		Depth:	3336m
Leg:	2		Cast:	C8 (Flux 2)		Time:	05:02		Longitude:	107	00.10W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	22.8	***	***	***			5	22.424	35.578	4.79	0.07	
1	49	50	19.647	35.470	5.10	0.11			10	22.166	35.575	4.79	0.07	
2	49	50	19.646	35.469	5.10	0.11			20	21.773	35.568	4.80	0.08	
3	50	51	19.649	35.473	5.11	0.11			30	21.170	35.510	4.93	0.10	
4	48	49	19.645	35.465	5.13	0.11			40	20.151	35.539	5.07	0.09	
5	49	49	19.645	35.464	5.12	0.10			50	19.635	35.456	5.11	0.11	
6	50	50	19.648	35.472	5.12	0.11			51	19.644	35.470	5.11	0.10	
7	24	24	21.560	35.555	4.81	0.09								
8	25	25	21.561	35.555	4.83	0.09								
9	25	25	21.513	35.552	4.84	0.09								
10	24	24	21.566	35.556	4.83	0.09								
11	25	25	21.593	35.559	4.83	0.10								
12	25	25	21.587	35.558	4.83	0.09								
13	10	10	21.859	35.569	4.81	0.08								
14	10	10	21.854	35.569	4.80	0.08								
15	10	10	21.854	35.569	4.80	0.08								
16	10	10	21.851	35.569	4.81	0.08								
17	10	10	21.848	35.569	4.81	0.08								
18	10	10	21.855	35.569	4.79	0.08								
19	5	5	22.005	35.571	4.81	0.08								
20	5	5	22.088	35.573	4.78	0.07								
21	5	5	22.145	35.573	4.81	0.07								
22	5	5	22.151	35.574	4.79	0.08								
23	5	5	22.106	35.575	4.79	0.08								
24	6	6	22.042	35.572	4.79	0.08								

Cruise:	KH-11-10		Station:	St.18		Date:	2012/1/14		Latitude:	30	01.02S		Depth:	3347m
Leg:	2		Cast:	C9 (Flux 3)		Time:	08:03		Longitude:	107	00.21W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	22.6	***	***	***			5	22.263	35.566	4.80	0.08	
1	50	50	19.888	35.538	5.09	0.09			10	21.927	35.565	4.81	0.08	
2	49	49	19.967	35.539	5.09	0.09			20	21.787	35.567	4.81	0.08	
3	50	50	19.950	35.540	5.08	0.09			30	21.690	35.561	4.83	0.09	
4	49	50	19.948	35.541	5.08	0.09			40	20.427	35.485	5.06	0.10	
5	50	50	19.889	35.538	5.08	0.09			50	19.869	35.473	5.10	0.10	
6	49	50	19.878	35.536	5.09	0.09			51	19.895	35.476	5.10	0.11	
7	24	25	21.625	35.557	4.82	0.09								
8	25	25	21.666	35.559	4.82	0.09								
9	25	25	21.668	35.561	4.83	0.09								
10	25	25	21.726	35.563	4.81	0.09								
11	25	25	21.721	35.563	4.81	0.09								
12	25	25	21.720	35.563	4.82	0.09								
13	10	11	21.806	35.567	4.80	0.08								
14	10	10	21.814	35.567	4.80	0.08								
15	10	10	21.807	35.568	4.81	0.08								
16	10	10	21.807	35.568	4.81	0.08								
17	10	10	21.897	35.565	4.81	0.08								
18	10	10	21.858	35.565	4.81	0.08								
19	4	5	21.940	35.566	4.80	0.08								
20	5	5	21.877	35.568	4.81	0.08								
21	4	4	21.954	35.565	4.81	0.08								
22	5	5	21.949	35.565	4.81	0.08								
23	4	4	21.963	35.566	4.80	0.08								
24	5	5	21.944	35.567	4.81	0.08								

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Cruise:	KH-11-10		Station:	St.19		Date:	2012/1/16		Latitude:	29 59.99S		Depth:	3601m
Leg:	2		Cast:	C3 (Deep)		Time:	03:35		Longitude:	100 00.07W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	22.2	***	***	***			5	21.920	35.311	4.82	0.16
1	3566	3622	1.821	34.689	3.44	0.05	3.79		10	21.744	35.310	4.84	0.15
2	2959	3000	1.809	34.681	3.45	0.06	3.73		20	21.599	35.360	4.84	0.12
3	2469	2500	1.830	34.668	3.39	0.06	3.67		30	20.667	35.203	5.09	0.15
4	1977	2000	2.080	34.641	3.35	0.06	3.62		40	20.011	35.324	5.12	0.15
5	1485	1500	2.850	34.553	2.97	0.06	3.18		50	19.667	35.402	5.17	0.12
6	991	1000	4.001	34.365	3.43	0.06	3.60		75	18.038	35.109	5.35	0.22
7	744	750	5.190	34.264	4.90	0.05	5.13		100	18.215	35.311	5.18	0.25
8	496	500	6.435	34.307	5.16	0.05	5.41		125	17.758	35.231	5.14	0.62
9	397	400	7.432	34.297	4.43	0.05	4.69		150	17.202	35.120	5.05	0.74
10	297	300	10.303	34.349	4.77	0.05	4.99	nd	175	16.328	34.991	4.86	0.47
11	249	251	12.401	34.433	4.75	0.07	4.97	0.012	200	14.534	34.673	4.84	0.28
12	199	200	14.588	34.700	4.80	0.26	5.02	0.082	250	12.135	34.417	4.76	0.06
13	150	151	16.879	35.061	5.02	0.59	5.27	0.173	300	10.313	34.349	4.78	0.05
14	1977	2000	2.080	34.641	3.35	0.06			400	7.373	34.300	4.52	0.05
15	991	1000	4.019	34.361	3.44	0.06			500	6.453	34.309	5.17	0.05
16	743	750	5.186	34.265	4.89	0.05			600	5.983	34.286	5.18	0.05
17	498	502	6.427	34.307	5.17	0.05			700	5.455	34.267	5.12	0.05
18	397	400	7.448	34.299	4.42	0.05			800	4.956	34.273	4.62	0.05
19	299	301	10.334	34.350	4.78	0.05			900	4.382	34.306	4.05	0.05
20	199	201	14.586	34.704	4.79	0.25			1000	3.997	34.365	3.41	0.05
21	199	201	14.585	34.704	4.79	0.25			1200	3.573	34.489	2.59	0.06
22	199	201	14.592	34.705	4.79	0.25			1500	2.842	34.554	2.96	0.05
23	149	151	16.877	35.062	5.02	0.61			2000	2.077	34.642	3.35	0.06
24	149	150	16.865	35.060	5.03	0.61			2500	1.828	34.668	3.41	0.06
									3000	1.810	34.681	3.49	0.06
									3500	1.812	34.689	3.49	0.05
									3621	1.822	34.689	3.50	0.06

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Cruise:	KH-11-10		Station:	St.20		Date:	2012/1/16		Latitude:	26	29.88S		Depth:	3548m
Leg:	2		Cast:	C2 (Shallow)		Time:	21:23		Longitude:	99	59.89W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	24.5	***	***	***	4.86	0.022	5	23.677	35.942	4.64	0.05	
1	172	174	18.405	35.427	4.85	0.69		0.219	10	23.586	35.941	4.64	0.05	
2	149	150	18.591	35.449	4.97	0.35	5.21	0.168	20	23.463	35.940	4.65	0.05	
3	124	125	18.702	35.425	5.06	0.20	5.31	0.081	30	23.293	35.927	4.66	0.06	
4	99	99	19.126	35.494	5.12	0.13	5.35	0.051	40	21.780	35.686	4.96	0.06	
5	75	75	19.555	35.479	5.16	0.08	5.44	0.035	50	20.700	35.525	5.10	0.06	
6	49	49	20.526	35.503	5.11	0.07	5.38	0.028	75	19.568	35.474	5.18	0.08	
7	29	30	23.262	35.922	4.67	0.06	4.98	0.025	100	19.167	35.500	5.12	0.13	
8	20	20	23.401	35.934	4.66	0.06	4.90	0.024	125	18.721	35.428	5.07	0.19	
9	10	10	23.531	35.942	4.65	0.05	4.92	0.025	150	18.666	35.467	4.98	0.31	
10	5	5	23.587	35.942	4.64	0.05	4.89	0.024	175	18.419	35.431	4.86	0.72	
11	172	173	18.404	35.427	4.86	0.71			182	18.306	35.411	4.82	0.58	
12	172	174	18.406	35.428	4.86	0.72								
13	148	150	18.595	35.451	4.97	0.40								
14	149	150	18.589	35.449	4.97	0.40								
15	100	101	19.126	35.495	5.11	0.13								
16	99	100	19.126	35.494	5.11	0.13								
17	74	75	19.536	35.486	5.16	0.09								
18	74	75	19.550	35.482	5.16	0.09								
19	50	50	20.595	35.511	5.09	0.07								
20	50	50	20.531	35.503	5.12	0.06								
21	29	30	23.292	35.927	4.67	0.06								
22	29	29	23.288	35.927	4.67	0.06								
23	9	9	23.595	35.941	4.63	0.05								
24	9	9	23.608	35.941	4.65	0.05								

Cruise:	KH-11-10	Station:	St.20	Date:	2012/1/16	Latitude:	26	30.01S	Depth:	3424m			
Leg:	2	Cast:	C3 (Deep)	Time:	22:57	Longitude:	99	59.99W					
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	24.1	***	***	***			5	23.608	35.942	4.65	0.06
1	3475	3527	1.878	34.681	3.33	0.05	3.65		10	23.607	35.943	4.64	0.06
2	2960	3000	1.854	34.675	3.37	0.05	3.64		20	23.440	35.938	4.64	0.06
3	2469	2500	1.852	34.667	3.35	0.06	3.62		30	23.283	35.926	4.65	0.06
4	1977	2000	2.024	34.642	3.33	0.06	3.56		40	21.610	35.640	4.98	0.07
5	1485	1500	2.752	34.566	3.05	0.06	3.25		50	20.615	35.517	5.09	0.07
6	992	1001	4.140	34.436	2.68	0.06	2.81		75	19.686	35.505	5.14	0.09
7	744	750	5.089	34.293	4.18	0.05	4.41		100	19.126	35.493	5.11	0.13
8	497	501	6.743	34.322	4.02	0.05	4.32		125	18.700	35.447	5.02	0.21
9	397	400	8.325	34.326	3.49	0.05	3.62		150	18.687	35.492	4.90	0.42
10	298	300	11.550	34.371	4.42	0.05	4.58	nd	175	18.352	35.421	4.83	0.66
11	248	250	14.536	34.692	4.56	0.11	4.79	0.027	200	17.351	35.196	4.71	0.40
12	199	200	17.650	35.266	4.76	0.42	4.99	0.149	250	14.385	34.684	4.54	0.11
13	3475	3527	1.878	34.681	3.35	0.06			300	11.514	34.367	4.39	0.05
14	2960	3000	1.854	34.675	3.37	0.05			400	8.136	34.337	3.39	0.05
15	2469	2500	1.852	34.667	3.36	0.06			500	6.682	34.320	4.12	0.05
16	1978	2001	2.024	34.642	3.33	0.06			600	5.853	34.282	4.91	0.05
17	1485	1500	2.751	34.566	3.05	0.06			700	5.341	34.282	4.56	0.05
18	1485	1500	2.750	34.566	3.05	0.06			800	4.839	34.322	3.75	0.05
19	992	1001	4.141	34.435	2.68	0.06			900	4.462	34.373	3.12	0.06
20	992	1001	4.143	34.435	2.68	0.06			1000	4.161	34.433	2.68	0.06
21	743	749	5.089	34.293	4.21	0.05			1200	3.598	34.504	2.62	0.06
22	744	750	5.099	34.293	4.23	0.05			1500	2.757	34.567	3.04	0.06
23	199	200	17.646	35.268	4.76	0.41			2000	2.039	34.641	3.34	0.06
24	198	200	17.672	35.275	4.75	0.44			2500	1.854	34.667	3.39	0.06
									3000	1.854	34.675	3.41	0.05
									3500	1.876	34.681	3.41	0.05
									3526	1.878	34.681	3.40	0.05

Cruise:	KH-11-10		Station:	St.20		Date:	2012/1/17		Latitude:	26	30.02S		Depth:	3584m
Leg:	2		Cast:	C4 (Metal)		Time:	03:34		Longitude:	100	00.08W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	23.7	***	***	***			5	23.454	35.937	4.65	0.08	
1	497	501	6.762	34.321	4.07	0.05			10	23.530	35.939	4.65	0.07	
2	497	501	6.766	34.321	4.07	0.05			20	23.328	35.931	4.66	0.08	
3	397	400	8.525	34.327	3.48	0.05			30	23.185	35.908	4.68	0.08	
4	298	300	11.753	34.383	4.41	0.05			40	21.169	35.593	5.03	0.09	
5	199	200	17.665	35.261	4.77	0.41			50	20.478	35.583	5.10	0.09	
6	199	200	17.654	35.262	4.77	0.42			75	19.581	35.546	5.13	0.12	
7	199	200	17.680	35.265	4.77	0.42			100	19.163	35.511	5.10	0.16	
8	148	149	18.743	35.502	4.91	0.45			125	18.741	35.461	5.02	0.21	
9	98	99	19.169	35.530	5.09	0.15			150	18.704	35.498	4.91	0.47	
10	99	99	19.191	35.529	5.09	0.15			175	18.160	35.354	4.90	0.58	
11	50	50	20.586	35.642	5.06	0.09			200	17.607	35.247	4.77	0.36	
12	49	50	20.532	35.642	5.08	0.09			250	15.084	34.788	4.59	0.14	
13	20	20	23.379	35.934	4.66	0.08			300	11.689	34.384	4.43	0.05	
14	20	20	23.385	35.935	4.67	0.08			400	8.512	34.330	3.50	0.05	
15	20	20	23.385	35.935	4.67	0.08			500	6.778	34.321	4.07	0.05	
16	5	5	23.650	35.941	4.64	0.07			500	6.778	34.321	4.07	0.05	
17	496	500	6.774	34.321	4.07	0.05								
18	398	401	8.516	34.328	3.48	0.05								
19	298	300	11.763	34.389	4.44	0.05								
20	199	201	17.679	35.265	4.78	0.41								
21	149	150	18.746	35.503	4.91	0.43								
22	99	99	19.198	35.529	5.09	0.16								
23	50	50	20.592	35.642	5.08	0.09								
24	19	19	23.370	35.935	4.66	0.08								

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Cruise:	KH-11-10		Station:	St.21		Date:	2012/1/17		Latitude:	22	59.97S		Depth:	4150m
Leg:	2		Cast:	C2 (Shallow)		Time:	20:30		Longitude:	99	59.93W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	25.5	***	***	***	4.83	0.023	5	24.181	35.879	4.62	0.06	
1	163	164	18.917	35.529	4.84	0.69		0.208	10	23.780	35.850	4.65	0.06	
2	149	150	19.038	35.553	4.91	0.40	5.18	0.122	20	23.669	35.846	4.64	0.06	
3	124	125	19.205	35.579	4.95	0.28	5.24	0.100	30	23.321	35.867	4.72	0.06	
4	99	100	19.578	35.629	5.02	0.17	5.30	0.064	40	21.541	35.752	4.99	0.07	
5	75	75	20.277	35.708	5.05	0.09	5.30	0.037	50	20.993	35.748	5.02	0.07	
6	49	49	20.888	35.732	5.04	0.07	5.31	0.027	75	20.187	35.695	5.06	0.09	
7	29	29	23.467	35.874	4.69	0.06	5.00	0.025	100	19.590	35.631	5.03	0.15	
8	20	21	23.754	35.872	4.64	0.06	4.89	0.033	125	19.259	35.589	4.96	0.25	
9	10	10	23.936	35.865	4.64	0.06	4.88	0.024	150	19.044	35.555	4.90	0.38	
10	5	5	24.116	35.872	4.61	0.05	4.88	0.022	175	18.787	35.502	4.81	0.65	
11	164	165	18.913	35.528	4.83	0.68			200	17.822	35.279	4.79	0.28	
12	164	165	18.910	35.528	4.84	0.68			201	17.875	35.291	4.80	0.31	
13	149	150	19.041	35.553	4.91	0.40								
14	149	150	19.041	35.553	4.92	0.42								
15	100	101	19.627	35.636	5.03	0.15								
16	100	100	19.628	35.636	5.02	0.16								
17	74	75	20.169	35.695	5.06	0.10								
18	75	75	20.272	35.709	5.06	0.10								
19	49	49	21.024	35.739	5.02	0.07								
20	49	49	20.995	35.738	5.02	0.07								
21	29	29	23.516	35.877	4.68	0.06								
22	29	30	23.504	35.878	4.69	0.06								
23	10	10	24.027	35.867	4.62	0.06								
24	10	10	24.029	35.868	4.61	0.06								

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Cruise:	KH-11-10		Station:	St.21		Date:	2012/1/18		Latitude:	22	59.56S		Depth:	4014m
Leg:	2		Cast:	C4 (Flux 1)		Time:	01:06		Longitude:	100	00.82W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	24.5	***	***	***			5	24.251	35.886	4.61	0.07	
1	50	51	21.142	35.743	5.02	0.09			10	23.990	35.890	4.62	0.07	
2	51	51	21.095	35.734	5.01	0.09			20	23.782	35.903	4.65	0.07	
3	50	51	21.148	35.744	5.01	0.10			30	23.635	35.890	4.66	0.08	
4	50	51	21.118	35.739	5.02	0.09			40	21.709	35.764	4.97	0.08	
5	50	50	21.146	35.743	5.02	0.09			50	21.223	35.761	5.00	0.08	
6	50	50	21.126	35.740	5.00	0.09			51	21.145	35.746	5.04	0.08	
7	25	25	23.743	35.893	4.65	0.09								
8	25	25	23.667	35.897	4.65	0.09								
9	25	26	23.698	35.896	4.65	0.08								
10	25	26	23.749	35.899	4.65	0.08								
11	25	25	23.701	35.898	4.65	0.08								
12	25	25	23.749	35.900	4.64	0.08								
13	11	11	23.906	35.887	4.62	0.07								
14	10	10	23.863	35.895	4.62	0.07								
15	11	11	23.887	35.891	4.62	0.07								
16	10	10	23.939	35.886	4.63	0.08								
17	10	11	23.941	35.887	4.62	0.07								
18	10	10	23.944	35.889	4.62	0.07								
19	5	5	24.154	35.891	4.61	0.08								
20	5	5	24.317	35.883	4.59	0.07								
21	6	6	24.310	35.883	4.60	0.07								
22	6	6	24.295	35.884	4.61	0.07								
23	5	5	24.315	35.883	4.60	0.07								
24	5	5	24.319	35.882	4.60	0.07								

Cruise:	KH-11-10		Station:	St.21		Date:	2012/1/18		Latitude:	22	59.41S		Depth:	3972m
Leg:	2		Cast:	C5 (Flux 2)		Time:	04:01		Longitude:	100	01.69W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	24.0	***	***	***			5	23.994	35.904	4.63	0.08	
1	49	50	21.209	35.741	5.03	0.09			10	23.886	35.907	4.62	0.07	
2	50	50	21.187	35.739	5.01	0.09			20	23.757	35.900	4.64	0.08	
3	50	50	21.151	35.735	5.02	0.09			30	23.274	35.873	4.73	0.08	
4	50	51	21.122	35.732	5.01	0.09			40	21.805	35.801	4.95	0.09	
5	50	51	21.135	35.733	5.02	0.08			50	21.210	35.743	5.00	0.09	
6	50	50	21.153	35.735	5.02	0.09			50	21.210	35.743	5.00	0.09	
7	25	25	23.290	35.869	4.69	0.09								
8	25	25	23.335	35.873	4.69	0.09								
9	25	25	23.537	35.864	4.69	0.09								
10	25	25	23.326	35.877	4.67	0.09								
11	25	25	23.383	35.879	4.67	0.09								
12	25	25	23.448	35.880	4.68	0.09								
13	10	10	23.808	35.904	4.63	0.08								
14	10	10	23.831	35.904	4.63	0.08								
15	10	10	23.871	35.904	4.62	0.08								
16	10	10	23.872	35.905	4.63	0.08								
17	10	10	23.849	35.906	4.62	0.08								
18	10	10	23.854	35.905	4.63	0.08								
19	5	5	24.198	35.894	4.60	0.08								
20	5	5	24.200	35.895	4.60	0.12								
21	5	5	24.188	35.896	4.61	0.07								
22	5	5	24.181	35.896	4.60	0.08								
23	5	5	24.187	35.896	4.60	0.08								
24	5	5	24.193	35.896	4.59	0.08								

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Cruise:	KH-11-10		Station:	St.21		Date:	2012/1/18		Latitude:	22	59.76S		Depth:	4024m
Leg:	2		Cast:	C7 (Flux 4)		Time:	10:02		Longitude:	100	03.50W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	24.3	***	***	***			5	24.343	35.888	4.60	0.07	
1	49	50	21.448	35.742	4.98	0.08			10	24.206	35.891	4.60	0.07	
2	49	49	21.474	35.743	4.98	0.09			20	23.789	35.901	4.64	0.07	
3	49	49	21.466	35.743	4.98	0.09			30	23.457	35.881	4.71	0.07	
4	49	49	21.472	35.744	4.97	0.08			40	21.895	35.773	4.95	0.09	
5	49	50	21.448	35.743	4.98	0.08			50	21.337	35.740	5.00	0.08	
6	49	49	21.487	35.744	4.97	0.08			51	21.312	35.739	4.99	0.08	
7	25	25	23.782	35.898	4.63	0.07								
8	25	25	23.717	35.897	4.62	0.08								
9	25	25	23.714	35.896	4.64	0.08								
10	25	25	23.710	35.898	4.63	0.08								
11	25	25	23.763	35.898	4.63	0.08								
12	25	25	23.746	35.898	4.65	0.08								
13	10	10	24.451	35.883	4.59	0.07								
14	10	10	24.438	35.884	4.57	0.08								
15	10	10	24.446	35.885	4.57	0.08								
16	10	10	24.452	35.885	4.59	0.08								
17	10	10	24.451	35.885	4.58	0.07								
18	10	10	24.451	35.885	4.57	0.07								
19	5	5	24.447	35.885	4.59	0.07								
20	5	5	24.446	35.885	4.59	0.07								
21	5	5	24.447	35.885	4.58	0.07								
22	5	5	24.442	35.885	4.59	0.07								
23	5	5	24.447	35.885	4.59	0.07								
24	5	5	24.444	35.885	4.58	0.08								

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Cruise:	KH-11-10		Station:	St.21		Date:	2012/1/18		Latitude:	22 59.96S		Depth:	4150m
Leg:	2		Cast:	C10 (Deep)		Time:	18:52		Longitude:	100 00.01W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)				
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l
Sur.	0	***	24.9	***	***	***			5	24.343	35.857	4.62	0.05
1	4099	4165	1.850	34.688	3.09	0.05	3.44		10	24.085	35.849	4.63	0.05
2	2959	2999	1.809	34.679	3.27	0.05	3.55		20	23.706	35.848	4.66	0.06
3	2469	2499	1.867	34.667	3.34	0.06	3.61		30	23.575	35.852	4.67	0.06
4	1978	2000	2.120	34.637	3.20	0.06			40	22.004	35.780	4.93	0.07
5	1485	1500	2.829	34.577	2.80	0.06	3.00		50	21.157	35.732	5.01	0.06
6	4099	4165	1.850	34.688	3.09	0.06			75	20.416	35.697	5.06	0.09
7	4099	4165	1.850	34.688	3.09	0.06			100	19.996	35.695	5.04	0.13
8	4099	4165	1.850	34.688	3.10	0.06			125	19.426	35.632	4.92	0.22
9	4099	4165	1.850	34.688	3.10	0.05			150	19.216	35.598	4.88	0.42
10	2960	2999	1.809	34.679	3.28	0.06			175	18.795	35.494	4.81	0.72
11	2960	3000	1.810	34.679	3.27	0.06			200	18.226	35.374	4.83	0.43
12	2960	3000	1.809	34.679	3.27	0.05			250	15.303	34.831	4.52	0.12
13	2469	2500	1.867	34.667	3.34	0.06			300	12.365	34.463	4.05	0.05
14	1978	2000	2.120	34.637	3.20	0.06			400	8.844	34.447	1.94	0.05
15	1978	2000	2.120	34.637	3.21	0.06			500	7.168	34.400	2.63	0.05
16	1978	2000	2.120	34.637	3.21	0.06			600	5.920	34.357	3.27	0.05
17	1978	2000	2.120	34.637	3.21	0.06			700	5.315	34.377	2.87	0.06
18	1978	2000	2.120	34.637	3.21	0.06			800	4.745	34.411	2.56	0.05
19	1485	1500	2.830	34.577	2.80	0.06			900	4.290	34.456	2.50	0.06
20	4099	4166	1.850	34.688	3.10	0.06			1000	4.054	34.488	2.55	0.05
21	4099	4165	1.850	34.688	3.10	0.06			1200	3.495	34.536	2.63	0.05
22	2469	2499	1.867	34.667	3.34	0.05			1500	2.845	34.576	2.79	0.06
23	1978	2000	2.120	34.637	3.20	0.06			2000	2.127	34.636	3.22	0.05
24	1485	1500	2.830	34.577	2.80	0.06			2500	1.866	34.667	3.36	0.05
									3000	1.807	34.679	3.29	0.06
									3500	1.804	34.685	3.21	0.06
									4000	1.835	34.688	3.19	0.06
									4165	1.850	34.688	3.18	0.05

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Cruise:	KH-11-10		Station:	St.21		Date:	2012/1/19		Latitude:	23	00.00S		Depth:	4136m
Leg:	2		Cast:	C12 (Metal)		Time:	04:05		Longitude:	100	00.06W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	24.5	***	***	***			5	24.518	35.875	4.60	0.07	
1	398	400	8.891	34.451	1.88	0.05			10	24.420	35.871	4.62	0.07	
2	299	301	12.794	34.500	4.19	0.05			20	23.808	35.853	4.63	0.08	
3	199	200	18.210	35.375	4.72	0.39			30	23.594	35.866	4.67	0.08	
4	199	201	18.193	35.373	4.73	0.31			40	22.074	35.766	4.95	0.10	
5	164	165	18.921	35.521	4.86	0.79			50	21.004	35.680	5.05	0.10	
6	149	150	19.154	35.579	4.88	0.46			75	20.515	35.720	5.05	0.11	
7	100	100	19.963	35.685	5.05	0.14			100	19.944	35.685	5.03	0.15	
8	100	101	19.933	35.683	5.05	0.15			125	19.419	35.608	4.98	0.20	
9	50	51	21.166	35.740	5.03	0.09			150	19.050	35.546	4.90	0.38	
10	51	51	21.106	35.727	5.03	0.09			175	18.784	35.491	4.83	0.65	
11	20	20	23.784	35.855	4.63	0.08			200	18.512	35.431	4.78	0.41	
12	10	10	24.148	35.867	4.62	0.07			250	16.166	34.971	4.55	0.15	
13	5	5	24.716	35.888	4.59	0.07			300	13.053	34.530	4.19	0.05	
14	398	401	8.889	34.451	1.88	0.05			400	8.858	34.454	1.85	0.05	
15	299	301	12.758	34.496	4.21	0.05			401	8.822	34.453	1.86	0.05	
16	200	201	18.188	35.373	4.71	0.31								
17	165	166	18.921	35.521	4.85	0.61								
18	150	151	19.156	35.580	4.88	0.44								
19	150	151	19.170	35.585	4.87	0.39								
20	100	101	19.928	35.682	5.04	0.15								
21	50	50	21.191	35.751	5.03	0.10								
22	20	20	23.780	35.856	4.64	0.08								
23	10	10	24.130	35.866	4.62	0.08								
24	5	5	24.817	35.893	4.56	0.07								

Cruise:	KH-11-10		Station:	St.22		Date:	2012/1/20		Latitude:	20	00.02S		Depth:	4266m
Leg:	2		Cast:	C1 (Shallow)		Time:	11:30		Longitude:	100	00.09W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	24.5	***	***	***	4.86	0.094	5	24.339	35.934	4.63	0.55	
1	151	152	19.643	35.705	4.80	0.80		0.213	10	24.343	35.934	4.64	0.52	
2	148	149	19.679	35.716	4.79	0.79	5.06	0.219	20	24.349	35.934	4.63	0.53	
3	125	126	20.054	35.783	4.88	0.31	5.12	0.155	30	22.904	35.927	4.78	0.15	
4	99	100	20.380	35.814	4.96	0.23	5.22	0.083	40	22.817	35.988	4.78	0.13	
5	74	75	20.905	35.838	5.01	0.17	5.26	0.054	50	22.444	35.950	4.82	0.12	
6	49	50	22.376	35.938	4.82	0.15	5.17	0.046	75	20.926	35.839	5.01	0.16	
7	30	31	22.933	35.934	4.78	0.15	5.05	0.055	100	20.409	35.814	4.97	0.23	
8	21	21	24.331	35.928	4.65	0.48	4.93	0.095	125	20.098	35.791	4.88	0.32	
9	10	10	24.341	35.932	4.64	0.53	4.94	0.098	150	19.808	35.742	4.82	0.80	
10	5	5	24.334	35.933	4.64	0.52	4.91	0.096	175	19.217	35.609	4.74	0.54	
11	152	153	19.642	35.707	4.80	0.75			200	18.667	35.502	4.60	0.37	
12	151	152	19.643	35.708	4.79	0.78			200	18.667	35.502	4.60	0.37	
13	149	150	19.693	35.719	4.81	0.76								
14	150	150	19.693	35.719	4.81	0.78								
15	100	100	20.421	35.818	4.95	0.21								
16	100	100	20.420	35.818	4.95	0.20								
17	74	75	20.904	35.838	5.01	0.16								
18	74	75	20.907	35.838	5.01	0.17								
19	50	50	22.419	35.944	4.83	0.12								
20	50	50	22.458	35.948	4.81	0.12								
21	30	30	22.986	35.941	4.78	0.16								
22	30	30	23.017	35.944	4.79	0.17								
23	10	10	24.341	35.933	4.65	0.52								
24	10	10	24.341	35.933	4.63	0.51								

Cruise:	KH-11-10		Station:	St.22		Date:	2012/1/20		Latitude:	20	00.00S		Depth:	4262m
Leg:	2		Cast:	C2 (Deep)		Time:	12:54		Longitude:	100	00.04W			
CTD Data (BTL)							Routine Analysis Data		CTD Data (LAY)					
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.	DO	Chl-a	Pres.	Temp.	Sal	DO	Flu.	
No.	m	db	deg. C	(psu)	ml/l	ug/l	ml/l	ug/l	db	deg. C	(psu)	ml/l	ug/l	
Sur.	0	***	24.4	***	***	***			5	24.328	35.933	4.65	0.41	
1	4236	4305	1.847	34.689	3.08	0.06	3.42		10	24.329	35.933	4.64	0.42	
2	3938	4000	1.814	34.689	3.10	0.06	3.43		20	23.879	35.953	4.73	0.33	
3	2960	3000	1.793	34.680	3.19	0.06	3.44		30	22.894	35.983	4.77	0.14	
4	2470	2500	1.903	34.665	3.16	0.06	3.42		40	22.592	35.963	4.80	0.13	
5	1978	2000	2.235	34.636	2.77	0.06	2.97		50	21.598	35.859	4.97	0.15	
6	1486	1500	2.982	34.581	2.30	0.06	2.44		75	20.780	35.834	5.00	0.19	
7	992	1000	4.227	34.509	1.90	0.06	2.03		100	20.332	35.807	4.95	0.24	
8	743	749	5.334	34.459	1.73	0.06	1.84		125	20.053	35.790	4.84	0.52	
9	498	501	7.082	34.443	1.98	0.06	2.18		150	19.530	35.683	4.78	0.72	
10	398	401	8.824	34.487	1.46	0.06	1.59		175	18.668	35.501	4.60	0.35	
11	298	300	11.998	34.460	3.45	0.05	3.57	nd	200	18.305	35.428	4.57	0.33	
12	249	250	14.898	34.810	4.32	0.07	4.55	0.014	250	14.958	34.822	4.33	0.06	
13	199	201	18.342	35.434	4.56	0.30	4.81	0.098	300	11.693	34.449	3.17	0.05	
14	3938	4000	1.814	34.689	3.11	0.06			400	8.815	34.494	1.40	0.05	
15	2961	3000	1.793	34.680	3.18	0.06			500	7.111	34.446	1.96	0.06	
16	2470	2500	1.902	34.665	3.16	0.06			600	6.182	34.427	2.13	0.06	
17	1978	2000	2.235	34.636	2.77	0.06			700	5.526	34.439	1.97	0.06	
18	1486	1501	2.982	34.581	2.29	0.06			800	5.066	34.473	1.71	0.06	
19	992	1000	4.226	34.509	1.91	0.06			900	4.616	34.488	1.81	0.06	
20	499	503	7.067	34.442	2.00	0.06			1000	4.227	34.509	1.90	0.06	
21	398	401	8.827	34.488	1.46	0.06			1200	3.635	34.545	1.99	0.06	
22	199	201	18.368	35.439	4.55	0.32			1500	2.953	34.583	2.30	0.06	
23	200	201	18.328	35.431	4.56	0.30			2000	2.228	34.636	2.78	0.06	
24	200	201	18.334	35.434	4.57	0.29			2500	1.901	34.665	3.18	0.06	
									3000	1.793	34.681	3.23	0.06	
									3500	1.779	34.687	3.19	0.06	
									4000	1.814	34.689	3.18	0.06	
									4305	1.847	34.689	3.17	0.06	

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