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		
		CT	TD Data (B	TL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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 (Shallov	w)	Time:	21:38		Longitude:	144	59.99E		
		C7	TD Data (B7	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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		301	15.922	34.621	4.14	0.06		nd	30	23.775	34.791	4.63	0.20
3		251	16.663	34.672	4.43	0.07		nd	40	23.778	34.790	4.64	0.21
4		202	17.098	34.697	4.54	0.12		0.024	50	23.778	34.790	4.62	0.22
5		150	17.731	34.718	4.52	0.22		0.065	75	23.703	34.788	4.74	0.23
6		125	18.298	34.749	4.60	0.32		0.120	100	19.274	34.780	4.79	0.51
7		90	19.905	34.774	4.97	0.52		0.214	125	18.191	34.744	4.82	0.29
8		401	13.928	34.492	4.07	0.07			150	17.711	34.720	4.57	0.23
9		303	15.861	34.620	4.14	0.06			175	17.301	34.703	4.52	0.17
10		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		204	17.056	34.696	4.56	0.10			300	15.996	34.625	4.21	0.06
13		201	17.108	34.697	4.54	0.12			400	13.962	34.494	4.07	0.07
14		202	17.101	34.697	4.54	0.11			401	13.973	34.495	4.08	0.07
15		150	17.729	34.718	4.52	0.21							
16		151	17.720	34.718	4.52	0.21							
17		151	17.713	34.718	4.53	0.20							
18		92	19.874	34.776	4.95	0.53							
19		92	19.877	34.776	4.95	0.52							
20		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		127	18.229	34.746	4.57	0.35							
24		90	19.883	34.775	4.95	0.50							
ニスキン直付								0.145					
ニスキン直付								0.175					
ニスキン直付								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		
		C'	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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		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	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		
		C7	TD Data (B	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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	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		
		C7	TD Data (B'	ΓL)			Routine An	alysis Data		CT	'D Data (LA	AY)	
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		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		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		
		C	ΓD Data (B'	ΓL)			Routine Ar	alysis Data		CT	'D Data (LA	AY)	
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 (Shallov	w)	Time:	10:01		Longitude:	154	59.96E		
		C7	TD Data (B'	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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		149	19.436	34.885	4.59	0.39	4.83	0.039	20	26.934	34.869	4.40	0.09
3		125	20.050	34.927	4.63	0.58	4.88	0.160	30	26.813	34.887	4.43	0.11
4		100	22.068	35.027	5.01	0.30	5.20	0.230	40	26.628	34.955	4.43	0.12
5		74	25.246	35.126	4.71	0.20	5.10	0.195	50	26.523	35.006	4.44	0.12
6		49	26.322	35.062	4.45	0.13	4.83	0.108	75	25.912	35.119	4.58	0.16
7		30	26.767	34.896	4.42	0.12	4.66	0.051	100	22.108	35.033	5.01	0.27
8		20	26.943	34.868	4.41	0.10	4.66	0.047	125	20.106	34.929	4.66	0.60
9		9	26.932	34.869	4.41	0.09	4.63	0.038	150	19.378	34.880	4.57	0.36
10		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		149	19.449	34.887	4.58	0.41			202	17.505	34.701	0.00	0.10
13		100	22.073	35.027	4.99	0.31							
14		99	22.117	35.031	5.01	0.31							
15		74	25.147	35.125	4.76	0.19							
16		75	25.210	35.126	4.80	0.20							
17		49	26.335	35.058	4.46	0.12							
18		49	26.355	35.051	4.46	0.13							
19		29	26.781	34.892	4.42	0.13							
20		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	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		
		C7	ΓD Data (B'	ΓL)			Routine Ar	nalysis Data		CT	TD Data (LA	AY)	
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

Cruise:	KH-11-10		Station:	St.2		Date:	2011/12/6		Latitude:	22	59.99N	Depth:	5453m
Leg:	1		Cast:	C2 (Suzuki)	Time:	21:05		Longitude:	159	59.83E		
		C7	TD Data (B'	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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	26.702	34.923	4.39	0.09
1	120	121	20.258	34.986	4.52	0.56			10	26.703	34.929	4.40	0.09
2	119	120	20.312	34.989	4.53	0.55			20	26.647	35.051	4.42	0.10
3		120	20.310	34.990	4.54	0.59			30	26.625	35.063	4.43	0.12
4	119	120	20.312	34.990	4.54	0.59			40	26.586	35.065	4.44	0.11
5	118	119	20.344	34.992	4.54	0.59			50	26.435	35.109	4.45	0.13
6		120	20.290	34.989	4.53	0.59			75	25.322	35.236	4.63	0.17
7	119	120	20.318	34.991	4.53	0.57			100	21.881	35.080	4.92	0.33
8	118	118	20.331	34.991	4.55	0.58			125	20.216	34.987	4.51	0.52
9	119	120	20.313	34.990	4.53	0.55			150	18.507	34.815	4.39	0.24
10	119	120	20.293	34.988	4.53	0.60			160	18.216	34.787	4.36	0.21
11	119	120	20.281	34.988	4.52	0.55							
12	120	121	20.301	34.989	4.54	0.57							
13	6	6	26.701	34.920	4.40	0.09							
14	6	6	26.700	34.920	4.40	0.09							
15	6	6	26.699	34.920	4.40	0.09							
16	5	5	26.699	34.921	4.39	0.09							
17	5	5	26.699	34.921	4.40	0.09							
18	5	6	26.699	34.921	4.39	0.09							
19	5	5	26.700	34.921	4.39	0.10							
20	6	6	26.699	34.921	4.39	0.09							
21	6	6	26.700	34.920	4.40	0.09							
22	6	6	26.699	34.921	4.40	0.09							
23	5	5	26.699	34.920	4.39	0.09							
24	6	6	26.700	34.920	4.40	0.09							

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		-
		C	TD Data (B'	TL)			Routine Ar	nalysis Data			ΓD Data (L <i>A</i>	AY)	
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		149	19.254	34.888	4.42	0.35			10	26.735	34.921	4.40	0.07
2		149	19.343	34.897	4.42	0.35			20	26.724	34.931	4.40	0.08
3		150	19.354	34.898	4.42	0.35			30	26.627	35.058	4.43	0.09
4		151	19.316	34.894	4.39	0.34			40	26.604	35.064	4.43	0.10
5		149	19.325	34.895	4.42	0.34			50	26.463	35.097	4.46	0.12
6		95	23.423	35.146	4.90	0.24			75	25.204	35.231	4.67	0.17
7		95	23.401	35.146	4.91	0.27			100	21.780	35.075	4.89	0.33
8		95	23.396	35.146	4.92	0.27			125	20.144	34.976	4.52	0.50
9		95	23.414	35.146	4.91	0.27			150	18.814	34.842	4.40	0.26
10		96	23.326	35.145	4.91	0.27			175	17.777	34.752	4.32	0.19
11		44	26.601	35.061	4.42	0.11			200	17.275	34.708	4.33	0.10
12		43	26.597	35.062	4.43	0.10			202	17.263	34.707	4.31	0.09
13		44	26.601	35.062	4.42	0.10							
14		45	26.590	35.063	4.44	0.11							
15		45	26.571	35.067	4.43	0.11							
16		19	26.732	34.920	4.40	0.08							
17		20	26.732	34.920	4.41	0.08							
18		20	26.732	34.920	4.40	0.08							
19		20	26.731	34.920	4.40	0.08							
20		4	26.744	34.920	4.40	0.07							
21		5	26.744	34.920	4.41	0.07							
22		6	26.744	34.920	4.39	0.07							
23		6	26.744	34.920	4.39	0.07							
24		6	26.745	34.920	4.41	0.07							
#10 Miss 7	Trigger												

Cruise:	KH-11-10		Station:	St.2		Date:	2011/12/7		Latitude:	22	59.65N	Depth:	5454m
Leg:	1		Cast:	C4 (Middle	e)	Time:	00:53		Longitude:	160	00.20E		
		C7	TD Data (B	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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		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		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							

Cruise:	KH-11-10		Station:	St.2		Date:	2011/12/7		Latitude:	23	00.03N	Depth:	5454m
Leg:	1		Cast:	C5 (Shallov	w)	Time:	04:27		Longitude:	159	59.72E		
		C	ΓD Data (B'	ΓL)			Routine Ar	nalysis Data		СТ	D Data (LA	AY)	
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	***	***	***	4.64	0.045	10	26.814	34.915	4.41	0.08
1	116	116	20.175	34.976	4.52	0.59		0.228	20	26.812	34.915	4.42	0.09
2		150	19.286	34.890	4.45	0.34	4.63	0.133	30	26.641	35.057	4.42	0.10
3		124	19.868	34.950	4.48	0.53	4.90	0.195	40	26.553	35.074	4.45	0.11
4		100	21.114	35.038	4.79	0.43	5.05	0.172	50	26.299	35.213	4.46	0.12
5		76	24.605	35.202	4.75	0.23	5.00	0.101	75	25.168	35.229	4.67	0.18
6		51	26.391	35.139	4.45	0.13	4.70	0.060	100	21.756	35.073	4.91	0.36
7		31	26.642	35.059	4.42	0.10	4.66	0.046	125	19.940	34.958	4.50	0.55
8		19	26.814	34.915	4.41	0.09	4.63	0.044	150	19.314	34.895	4.46	0.34
9		10	26.813	34.914	4.41	0.09	4.64	0.046	175	18.522	34.815	4.38	0.24
10	6	6	26.807	34.915	4.39	0.09	4.64	0.034	200	17.453	34.721	4.32	0.10
11	116	117	20.143	34.975	4.53	0.60			200	17.453	34.721	4.32	0.10
12		117	20.099	34.971	4.52	0.58							
13		150	19.282	34.890	4.46	0.34							
14		149	19.300	34.892	4.45	0.38							
15		100	21.058	35.036	4.75	0.45							
16		99	21.070	35.037	4.79	0.46							
17		73	25.015	35.220	4.69	0.22							
18		73	25.077	35.223	4.67	0.20							
19		50	26.414	35.127	4.45	0.14							
20		50	26.416	35.126	4.45	0.13							
21	31	31	26.641	35.059	4.42	0.10							
22	31	31	26.640	35.060	4.44	0.10							
23		10	26.814	34.914	4.40	0.09							
24	10	10	26.814	34.914	4.41	0.09							

Cruise:	KH-11-10		Station:	St.2		Date:	2011/12/7		Latitude:	23	00.08N	Depth:	5456m
Leg:	1		Cast:	C6 (Metal	& Gas)	Time:	07:30		Longitude:	160	00.01E		
		C7	TD Data (B	ΓL)			Routine An	alysis Data		СТ	TD Data (LA	AY)	
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	***	***	***			10	26.800	34.910	4.41	0.10
1	1238	1249	3.101	34.529	1.59	0.07			20	26.805	34.910	4.41	0.11
2	991	999	3.795	34.447	1.24	0.07			30	26.782	34.936	4.42	0.10
3	893	900	4.182	34.376	1.09	0.07			40	26.617	35.061	4.43	0.13
4	793	799	4.489	34.270	1.06	0.07			50	26.571	35.075	4.44	0.12
5	694	700	5.333	34.160	1.50	0.07			75	26.235	35.254	4.48	0.15
6		601	6.448	34.083	2.38	0.07			100	23.130	35.136	4.93	0.29
7	497	501	9.296	34.154	3.66	0.06			125	20.439	34.998	4.57	0.66
8	397	400	12.382	34.352	4.22	0.06			150	19.183	34.881	4.44	0.38
9	298	300	14.865	34.529	4.29	0.06			175	18.605	34.824	4.38	0.27
10	200	201	17.516	34.726	4.31	0.11			200	17.726	34.751	4.29	0.17
11	199	200	17.587	34.735	4.32	0.13			250	16.610	34.656	4.28	0.06
12	149	150	19.227	34.882	4.44	0.38			300	15.046	34.543	4.29	0.06
13	149	150	19.237	34.884	4.44	0.38			400	12.332	34.353	4.22	0.06
14	123	124	20.316	34.986	4.57	0.66			500	9.176	34.149	3.66	0.06
15	98	98	22.946	35.127	4.94	0.30			600	6.535	34.083	2.47	0.07
16	99	99	22.976	35.129	4.93	0.29			700	5.326	34.158	1.53	0.07
17	76	76	26.131	35.270	4.49	0.18			800	4.488	34.276	1.07	0.07
18	51	51	26.535	35.083	4.44	0.14			900	4.156	34.378	1.08	0.07
19	50	50	26.543	35.080	4.44	0.15			1000	3.736	34.456	1.26	0.07
20	30	30	26.659	35.035	4.42	0.12			1200	3.229	34.517	1.53	0.07
21	20	20	26.807	34.911	4.40	0.11			1301	2.998	34.538	1.64	0.07
22	9	9	26.805	34.912	4.40	0.11							
23	6	6	26.798	34.912	4.41	0.10							
24	992	1000	3.800	34.446	1.24	0.07							

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		
		C7	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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	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	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	26.778	34.912	4.40	0.10							
15	20	20	26.778	34.914	4.39	0.11							
16		19	26.778	34.914	4.39	0.10							
17	11	11	26.772	34.913	4.40	0.10							
18		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		
		C	ΓD Data (B'				Routine Ar	nalysis Data			ΓD Data (L <i>i</i>	AY)	
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		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		1000	3.866	34.437	1.23	0.07			100	21.945	35.084	4.90	0.30
7		1000	3.866	34.437	1.22	0.07			125	20.576	35.014	4.58	0.59
8		1000	3.865	34.437	1.23	0.07			150	19.747	34.944	4.41	0.40
9		400	11.671	34.300	4.14	0.06			175	18.661	34.828	4.39	0.23
10		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		125	20.411	35.002	4.49	0.57			400	11.684	34.302	4.16	0.06
14		102	21.538	35.062	4.87	0.40			500	8.868	34.133	3.54	0.06
15		101	21.567	35.065	4.81	0.42			600	6.782	34.080	2.56	0.07
16		10	26.721	34.920	4.40	0.08			700	5.223	34.168	1.46	0.07
17		10	26.719	34.919	4.42	0.08			800	4.534	34.263	1.09	0.07
18		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	26.719	34.919	4.41	0.08			2000	1.998	34.616	2.20	0.07
23		10	26.719	34.919	4.42	0.08			2500	1.721	34.648	2.57	0.07
24		10	26.722	34.919	4.40	0.08			3000	1.579	34.665	2.84	0.07
#10 Miss T	rigger								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

Cruise:	KH-11-10		Station:	St.2		Date:	2011/12/7		Latitude:	23	00.01N	Depth:	5455m
Leg:	1		Cast:	C9 (Light_	3)	Time:	23:36		Longitude:	159	59.75E		
		CT	TD Data (B7	ΓL)			Routine An	alysis Data		CT	'D Data (LA	AY)	
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	***	27.4	***	***	***			5	26.755	34.917	4.41	0.08
1	198	199	17.166	34.696	4.31	0.06			10	26.736	34.917	4.41	0.08
2	198	200	17.191	34.698	4.32	0.07			20	26.726	34.919	4.40	0.08
3	199	200	17.215	34.699	4.32	0.07			30	26.721	34.922	4.39	0.09
4	199	201	17.206	34.699	4.32	0.07			40	26.591	35.067	4.42	0.11
5	118	119	20.486	35.005	4.57	0.64			50	26.419	35.127	4.44	0.12
6	120	120	20.539	35.007	4.59	0.67			75	25.243	35.218	4.66	0.17
7	120	120	20.537	35.008	4.59	0.69			100	21.908	35.082	4.91	0.31
8	119	120	20.559	35.009	4.59	0.71			125	20.427	35.004	4.53	0.59
9	40	40	26.583	35.067	4.44	0.11			150	19.001	34.861	4.41	0.32
10	40	41	26.586	35.067	4.43	0.11			175	17.673	34.733	4.36	0.11
11	40	40	26.588	35.065	4.43	0.10			200	17.270	34.705	4.32	0.07
12	40	40	26.586	35.063	4.43	0.10			208	16.852	34.673	4.32	0.06
13	4	4	26.861	34.919	4.38	0.07							
14	18	19	26.717	34.922	4.41	0.08							
15	44	44	26.552	35.081	4.44	0.11							
16	94	95	21.996	35.085	4.92	0.32							
17	147	148	18.990	34.861	4.40	0.28							
18	197	199	17.237	34.701	4.32	0.07							
19	148	149	19.012	34.862	4.40	0.28							
20	94	95	21.996	35.085	4.92	0.31							
21	44	45	26.546	35.084	4.43	0.11							
22	39	40	26.590	35.062	4.42	0.11							
23		5	26.924	34.920	4.40	0.07							
24	5	5	26.941	34.920	4.39	0.07							

Cruise:	KH-11-10		Station:	St.3		Date:	2011/12/8		Latitude:	23	00.09N	Depth:	5806m
Leg:	1		Cast:	C1 (Shallov	w)	Time:	21:00		Longitude:	164	59.94E		
		C7	TD Data (B'				Routine Ar	nalysis Data		CT	TD Data (LA	AY)	
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		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	25.577	35.349	4.58	0.38							
17	73	74	27.360	35.122	4.34	0.14							
18		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							

Cruise:	KH-11-10		Station:	St.3		Date:	2011/12/8		Latitude:	23	00.07N	Depth:	5806m
Leg:	1		Cast:	C2 (Light)		Time:	23:05		Longitude:	165	00.04E		_
		C'	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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	***	27.7	***	***	***			2	27.377	35.123	4.36	0.08
1	140	141	21.989	35.242	4.04	0.17			5	27.394	35.123	4.34	0.08
2	140	141	21.991	35.242	4.04	0.18			10	27.380	35.123	4.34	0.08
3	141	142	21.984	35.242	4.05	0.17			20	27.365	35.123	4.34	0.09
4	101	102	24.785	35.368	4.45	0.43			30	27.363	35.123	4.34	0.10
5	101	102	24.763	35.369	4.46	0.42			40	27.364	35.123	4.34	0.11
6		102	24.754	35.370	4.47	0.45			50	27.365	35.123	4.34	0.12
7	37	37	27.368	35.123	4.35	0.10			75	27.362	35.126	4.35	0.17
8		37	27.369	35.123	4.35	0.10			100	24.813	35.366	4.47	0.44
9	37	37	27.368	35.123	4.34	0.11			125	23.269	35.337	4.24	0.53
10	12	12	27.377	35.123	4.35	0.08			150	21.660	35.216	4.10	0.14
11	12	12	27.381	35.123	4.35	0.09			175	20.477	35.112	4.13	0.09
12	13	13	27.381	35.123	4.35	0.08			200	19.148	34.967	4.02	0.06
13	3	3	27.405	35.124	4.34	0.08			201	19.173	34.969	4.02	0.07
14		2	27.410	35.123	4.35	0.07							
15	3	3	27.405	35.124	4.35	0.07							
16		3	27.411	35.124	4.35	0.07							
17	2	2	27.410	35.124	4.35	0.07							
18		3	27.417	35.123	4.35	0.07							
19	3	3	27.414	35.123	4.35	0.07							
20	3	3	27.412	35.123	4.34	0.07							
21	3	3	27.412	35.123	4.35	0.07							
22	3	3	27.412	35.123	4.34	0.07							
23	11	12	27.382	35.123	4.35	0.08							
24	101	102	24.752	35.371	4.47	0.46							

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		
		CT	TD Data (B	ΓL)			Routine An	alysis Data		CT	'D Data (L <i>A</i>	AY)	
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

Cruise:	KH-11-10		Station:	St.3		Date:	2011/12/9		Latitude:	23	00.11N	Depth:	5806m
Leg:	1		Cast:	C4 (Suzuki)	Time:	06:33		Longitude:	164	59.91E		
		C7	TD Data (B	ΓL)			Routine An	alysis Data		СТ	TD Data (LA	AY)	
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	***	28.4	***	***	***			5	27.435	35.098	4.37	0.11
1	119	120	24.087	35.350	4.39	0.81			10	27.381	35.098	4.36	0.10
2		120	24.069	35.350	4.38	0.85			20	27.263	35.096	4.36	0.12
3		120	24.131	35.351	4.39	0.84			30	27.259	35.096	4.36	0.12
4		120	24.135	35.352	4.39	0.84			40	27.256	35.096	4.37	0.12
5		120	24.122	35.352	4.40	0.84			50	27.255	35.096	4.36	0.12
6		119	24.125	35.350	4.40	0.82			75	27.254	35.098	4.36	0.16
7		120	24.082	35.349	4.39	0.83			100	25.733	35.336	4.55	0.33
8		120	24.096	35.350	4.38	0.83			125	23.888	35.343	4.35	0.75
9		119	24.091	35.350	4.39	0.79			150	22.456	35.290	4.16	0.26
10		119	24.083	35.350	4.38	0.83			161	21.670	35.224	4.08	0.20
11	119	120	24.061	35.349	4.37	0.86							
12		120	24.053	35.350	4.37	0.82							
13		4	27.421	35.098	4.37	0.13							
14		5	27.412	35.097	4.38	0.12							
15		5	27.416	35.098	4.36	0.11							
16		5	27.437	35.098	4.36	0.12							
17		5	27.429	35.098	4.36	0.12							
18		5	27.429	35.098	4.36	0.12							
19		5	27.432	35.098	4.36	0.11							
20	4	5	27.430	35.098	4.35	0.11							
21	4	4	27.429	35.098	4.35	0.11							
22	4	4	27.430	35.098	4.35	0.11							
23		4	27.428	35.098	4.36	0.12							
24	5	5	27.427	35.098	4.35	0.11							

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		
		C'	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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		
		C7	ΓD Data (B'	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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		
		C7	ΓD Data (B'	ΓL)			Routine Ar	nalysis Data		CT	'D Data (LA	AY)	
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		1500	2.640	34.558	1.71	0.07			10	26.267	35.297	4.42	0.10
2		1248	3.137	34.512	1.44	0.07			20	26.239	35.330	4.44	0.11
3		998	3.866	34.429	1.11	0.07			30	26.210	35.333	4.44	0.12
4		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		749	5.169	34.258	1.08	0.07			75	21.244	35.075	5.02	0.26
7		699	5.476	34.192	1.30	0.07			100	19.434	34.902	4.84	0.60
8		599	6.297	34.117	1.88	0.07			125	18.182	34.759	4.74	0.49
9		498	8.087	34.097	3.07	0.07			150	17.621	34.741	4.60	0.24
10		401	10.732	34.236	4.18	0.06			175	16.991	34.675	4.62	0.10
11		300	13.159	34.387	4.35	0.06			200	16.396	34.638	4.54	0.06
12		248	14.679	34.501	4.43	0.06			250	14.787	34.515	4.43	0.05
13		199	16.142	34.612	4.52	0.06			300	13.363	34.402	4.33	0.06
14		149	17.258	34.695	4.63	0.13			400	10.748	34.240	4.20	0.06
15		107	18.409	34.786	4.78	0.55			500	8.088	34.100	3.11	0.06
16		122	17.829	34.736	4.62	0.38			600	6.404	34.114	2.04	0.07
17		98	18.983	34.879	4.62	0.69			700	5.486	34.192	1.32	0.07
18		75	20.839	35.031	4.98	0.30			800	4.859	34.292	1.01	0.07
19		49	24.341	35.270	4.92	0.16			900	4.187	34.367	0.98	0.07
20		28	26.224	35.329	4.44	0.12			1000	3.892	34.428	1.10	0.07
21		20	26.262	35.308	4.43	0.11			1200	3.267	34.501	1.38	0.07
22		9	26.253	35.294	4.44	0.11			1500	2.639	34.558	1.71	0.07
23		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							

Cruise:	KH-11-10		Station:	St.4		Date:	2011/12/10		Latitude:	23	00.05N	Depth:	5900m
Leg:	1		Cast:	C4 (Light)		Time:	15:11		Longitude:	169	59.79E		_
		C7	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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	26.240	35.297	4.44	0.11
1	143	144	17.441	34.718	4.60	0.18			10	26.241	35.295	4.44	0.11
2		144	17.475	34.723	4.60	0.19			20	26.255	35.308	4.43	0.11
3		144	17.486	34.725	4.58	0.19			30	26.225	35.330	4.43	0.11
4		99	19.216	34.909	4.64	0.79			40	26.211	35.342	4.43	0.11
5		99	19.215	34.909	4.61	0.78			50	26.027	35.383	4.52	0.13
6		99	19.205	34.909	4.65	0.81			75	20.615	35.016	4.96	0.30
7		99	19.234	34.911	4.65	0.75			100	19.044	34.893	4.60	0.69
8		58	24.293	35.273	4.88	0.16			125	17.907	34.771	4.57	0.33
9		58	24.504	35.286	4.85	0.16			150	17.158	34.688	4.64	0.12
10		58	24.530	35.289	4.85	0.15			175	16.670	34.655	4.59	0.07
11	58	58	24.547	35.289	4.85	0.16			200	15.968	34.603	4.49	0.05
12		31	26.242	35.323	4.43	0.13			201	15.906	34.599	4.49	0.06
13		31	26.243	35.323	4.43	0.12							
14		31	26.240	35.324	4.44	0.11							
15		32	26.234	35.328	4.42	0.11							
16		8	26.246	35.298	4.43	0.10							
17		8	26.246	35.298	4.43	0.10							
18		8	26.241	35.299	4.43	0.11							
19		8	26.245	35.298	4.43	0.11							
20		8	26.243	35.298	4.42	0.11							
21	8	8	26.245	35.298	4.44	0.11							
22		8	26.240	35.299	4.42	0.11							
23		8	26.242	35.299	4.44	0.10							
24	9	9	26.244	35.301	4.43	0.10							
													1
													1

Cruise:	KH-11-10		Station:	St.4		Date:	2011/12/10		Latitude:	23	00.23N	Depth:	5901m
Leg:	1		Cast:	C5 (Shallov	v)	Time:	16:36		Longitude:	169	59.82E		
		C7	ΓD Data (B'	ΓL)			Routine An	nalysis Data		СТ	TD Data (LA	AY)	
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	***	***	***	4.67	0.043	5	26.243	35.284	4.43	0.11
1	98	99	19.403	34.930	4.64	0.87		0.274	10	26.245	35.282	4.43	0.10
2		150	17.425	34.719	4.60	0.18	4.84	0.161	20	26.250	35.285	4.43	0.11
3		125	17.885	34.737	4.68	0.42	4.91	0.161	30	26.252	35.306	4.44	0.12
4		101	19.410	34.930	4.63	0.89	4.91	0.267	40	26.234	35.328	4.43	0.11
5		74	20.969	35.047	5.00	0.27	5.24	0.116	50	26.247	35.344	4.44	0.11
6		50	26.182	35.364	4.46	0.12	4.76	0.048	75	21.117	35.062	4.98	0.24
7		31	26.245	35.286	4.41	0.10	4.68	0.047	100	19.310	34.921	4.63	0.73
8		21	26.243	35.284	4.43	0.11	4.68	0.047	125	17.860	34.740	4.65	0.38
9		10	26.238	35.283	4.43	0.10	4.68	0.047	150	17.426	34.720	4.60	0.17
10		5	26.239	35.283	4.41	0.10	4.68	0.045	175	16.914	34.673	4.59	0.09
11	98	98	19.417	34.932	4.65	0.89			200	16.414	34.639	4.55	0.05
12		99	19.380	34.925	4.64	0.85							
13		150	17.429	34.720	4.60	0.17							
14		150	17.429	34.720	4.60	0.17							
15		101	19.375	34.924	4.63	0.85							
16		101	19.356	34.919	4.65	0.81							
17		75	20.957	35.046	4.99	0.27							
18		75	20.969	35.047	5.00	0.27							
19		50	26.179	35.367	4.46	0.12							
20		50	26.177	35.368	4.45	0.11							
21	30	30	26.245	35.285	4.43	0.11							
22	30	30	26.245	35.285	4.42	0.11							
23		11	26.239	35.283	4.43	0.10							
24	10	10	26.239	35.283	4.43	0.10							

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		
		CT	TD Data (B	TL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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 (Shallov	w)	Time:	19:24		Longitude:	174	54.92E		
		C7	TD Data (B'				Routine Ar	nalysis Data		CT	TD Data (LA	AY)	
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		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		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		101	23.718	35.376	4.61	0.39							
17	75	76	26.274	35.317	4.42	0.13							
18		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		
		C'	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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		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	26.290	35.319	4.41	0.09							
15	6	6	26.290	35.319	4.41	0.09							
16		4	26.289	35.319	4.41	0.08							
17	5	5	26.290	35.319	4.42	0.11							
18		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		
		C7	TD Data (B	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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		
		C	ΓD Data (B'	ΓL)			Routine Ar	alysis Data		СТ	'D Data (LA	AY)	
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		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		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		38	26.354	35.311	4.41	0.12							
15	37	37	26.354	35.311	4.40	0.12							
16		20	26.352	35.311	4.41	0.12							
17	20	20	26.353	35.310	4.40	0.12							
18		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		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		
		CT	TD Data (B	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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		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

Cruise:	KH-11-10		Station:	St.5		Date:	2011/12/13		Latitude:	22	59.27N	Depth:	5318m
Leg:	1		Cast:	C3 (Suzuki)	Time:	01:50		Longitude:	179	59.87W		
		C7	TD Data (B7	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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	26.407	35.314	4.42	0.10
1	110	111	22.622	35.294	4.58	0.66			10	26.409	35.314	4.42	0.09
2		111	22.660	35.296	4.59	0.67			20	26.422	35.314	4.41	0.09
3		110	22.692	35.296	4.58	0.65			30	26.374	35.310	4.42	0.10
4		110	22.665	35.298	4.61	0.70			40	26.362	35.311	4.42	0.11
5		109	22.678	35.297	4.62	0.67			50	26.356	35.313	4.41	0.13
6		109	22.679	35.297	4.60	0.67			75	26.346	35.314	4.40	0.16
7		111	22.412	35.287	4.55	0.62			100	23.689	35.338	4.68	0.58
8		111	22.464	35.288	4.54	0.64			125	21.434	35.205	4.55	0.36
9		109	22.496	35.287	4.60	0.66			150	20.391	35.122	4.37	0.23
10		111	22.228	35.279	4.54	0.57			160	19.575	35.042	4.30	0.15
11	110	111	22.388	35.284	4.51	0.63							
12		111	22.300	35.281	4.58	0.63							
13		5	26.420	35.314	4.41	0.10							
14		6	26.420	35.314	4.41	0.10							
15		5	26.418	35.314	4.42	0.10							
16		6	26.419	35.314	4.42	0.10							
17		6	26.417	35.314	4.41	0.10							
18		6	26.419	35.314	4.40	0.10							
19		5	26.417	35.314	4.40	0.10							
20		5	26.416	35.314	4.42	0.10							
21	5	5	26.419	35.314	4.40	0.10							
22	5	5	26.417	35.314	4.41	0.10							
23		5	26.414	35.314	4.42	0.10							
24	5	5	26.415	35.314	4.41	0.10							

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		
		C7	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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

Cruise:	KH-11-10		Station:	St.5		Date:	2011/12/13		Latitude:	22	59.93N	Depth:	5295m
Leg:	1		Cast:	C5 (Metal	& Gas)	Time:	08:16		Longitude:	179	59.91E		
		C	ΓD Data (B'	ΓL)			Routine An	alysis Data		СТ	TD Data (LA	AY)	
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	26.441	35.317	4.41	0.13
1	1239	1250	3.226	34.534	1.47	0.07			10	26.445	35.317	4.41	0.13
2		1001	3.842	34.445	1.06	0.07			20	26.445	35.317	4.41	0.13
3		901	4.116	34.355	0.85	0.07			30	26.451	35.317	4.41	0.13
4		800	4.498	34.265	0.90	0.07			40	26.452	35.316	4.40	0.14
5		700	5.213	34.135	1.37	0.07			50	26.451	35.316	4.41	0.15
6		601	6.596	34.074	2.33	0.07			75	26.428	35.314	4.41	0.17
7		501	8.703	34.110	3.39	0.06			100	24.064	35.368	4.61	0.45
8		399	11.282	34.239	4.19	0.06			125	22.384	35.282	4.57	0.59
9		300	14.337	34.463	4.26	0.06			150	20.818	35.154	4.46	0.27
10	200	202	18.851	34.976	4.18	0.09			175	19.750	35.051	4.36	0.17
11	201	202	18.839	34.976	4.17	0.09			200	18.916	34.988	4.18	0.09
12		120	22.791	35.305	4.59	0.67			250	16.538	34.702	4.34	0.05
13		150	21.098	35.176	4.48	0.31			300	14.609	34.492	4.26	0.05
14		150	21.127	35.179	4.49	0.33			400	11.440	34.250	4.20	0.06
15		125	22.553	35.290	4.58	0.63			500	8.766	34.116	3.39	0.06
16		100	24.331	35.362	4.66	0.49			600	6.675	34.074	2.39	0.06
17		99	24.363	35.361	4.65	0.49			700	5.312	34.127	1.45	0.07
18		76	26.436	35.309	4.40	0.19			800	4.520	34.263	0.91	0.07
19		49	26.469	35.317	4.41	0.15			900	4.116	34.361	0.86	0.07
20		48	26.471	35.318	4.40	0.14			1000	3.824	34.454	1.09	0.07
21	28	29	26.469	35.318	4.41	0.14			1200	3.307	34.526	1.42	0.07
22	19	19	26.461	35.319	4.40	0.14			1307	3.107	34.545	1.53	0.07
23		9	26.466	35.319	4.41	0.14							
24	5	5	26.458	35.318	4.41	0.14							
													-

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		
		CT	TD Data (B	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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	26.430	35.318	4.40	0.16							
24	5	5	26.430	35.318	4.41	0.16							

Cruise:	KH-11-10		Station:	St.5		Date:	2011/12/13		Latitude:	23	00.01N	Depth:	5294m
Leg:	1		Cast:	C7 (Sakum	a)	Time:	12:08		Longitude:	179	59.83E		
		C	TD Data (B	ΓL)			Routine Ar	alysis Data		СТ	D Data (LA	AY)	
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	***	***	***			5	26.424	35.317	4.40	0.15
1	149	150	20.200	35.090	4.43	0.18			10	26.424	35.317	4.40	0.16
2	148	149	20.223	35.092	4.43	0.19			20	26.429	35.317	4.41	0.16
3	147	148	20.220	35.092	4.43	0.19			30	26.430	35.318	4.40	0.15
4	149	150	20.199	35.090	4.42	0.18			40	26.435	35.317	4.40	0.16
5	98	98	23.569	35.340	4.58	0.58			50	26.432	35.317	4.40	0.16
6	99	100	23.638	35.347	4.60	0.58			75	26.301	35.321	4.40	0.19
7	99	99	23.647	35.348	4.60	0.59			100	23.709	35.351	4.60	0.51
8	98	99	23.709	35.352	4.61	0.57			125	22.237	35.278	4.53	0.50
9	50	50	26.431	35.316	4.40	0.18			150	20.477	35.119	4.45	0.22
10	49	50	26.426	35.316	4.41	0.18							
11	50	51	26.428	35.316	4.40	0.16							
12	50	51	26.429	35.316	4.38	0.16							
13	30	30	26.430	35.317	4.40	0.17							
14	30	30	26.429	35.317	4.40	0.17							
15	30	30	26.428	35.317	4.40	0.16							
16	30	30	26.428	35.317	4.39	0.17							
17	10	10	26.423	35.317	4.40	0.17							
18	11	11	26.418	35.318	4.40	0.17							
19	10	10	26.420	35.318	4.39	0.18							
20	10	10	26.419	35.318	4.41	0.17							
21	5	5	26.413	35.317	4.40	0.17							
22	5	5	26.414	35.317	4.40	0.17							
23	4	4	26.415	35.317	4.41	0.16							
24	5	5	26.416	35.317	4.39	0.17							

Cruise:	KH-11-10		Station:	St.5		Date:	2011/12/13		Latitude:	22	59.98N	Depth:	5298m
Leg:	1		Cast:	C8 (Light_:	3)	Time:	17:10		Longitude:	179	59.94E		
		C7	TD Data (B	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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	***	***	***			5	26.391	35.317	4.41	0.15
1	51	51	26.402	35.320	4.39	0.14			10	26.391	35.318	4.40	0.14
2		51	26.405	35.320	4.39	0.14			20	26.398	35.317	4.41	0.15
3		51	26.404	35.320	4.39	0.14			30	26.402	35.318	4.40	0.14
4		52	26.404	35.320	4.40	0.14			40	26.402	35.318	4.40	0.15
5		112	23.411	35.334	4.57	0.55			50	26.402	35.318	4.39	0.16
6		111	23.393	35.335	4.57	0.61			75	26.381	35.320	4.38	0.16
7		111	23.433	35.336	4.58	0.57			100	24.470	35.354	4.66	0.39
8		110	23.443	35.337	4.58	0.53			125	22.220	35.272	4.53	0.46
9		201	18.100	34.892	4.22	0.06			150	20.440	35.112	4.45	0.20
10		201	18.097	34.892	4.23	0.06			175	19.362	35.026	4.22	0.11
11	198	200	18.147	34.898	4.23	0.06			200	18.439	34.935	4.21	0.07
12		201	18.130	34.896	4.23	0.07			211	17.773	34.855	4.26	0.06
13		5	26.395	35.321	4.41	0.14							
14		21	26.400	35.321	4.39	0.14							
15		37	26.402	35.320	4.41	0.18							
16		97	24.746	35.370	4.67	0.37							
17		151	20.157	35.084	4.40	0.18							
18		149	20.281	35.098	4.43	0.19							
19		101	24.514	35.357	4.69	0.41							
20		50	26.404	35.320	4.40	0.13							
21	31	32	26.398	35.321	4.39	0.13							
22		11	26.396	35.321	4.40	0.14							
23		6	26.396	35.321	4.40	0.14							
24	199	201	18.121	34.895	4.23	0.06							

Cruise:	KH-11-10		Station:	St.5		Date:	2011/12/13		Latitude:	23	00.01N	Depth:	5302m
Leg:	1		Cast:	C9 (Middle	e)	Time:	19:56		Longitude:	179	59.99W		
		C7	TD Data (B	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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		749	4.860	34.211	1.05	0.07	1.13		20	26.398	35.320	4.38	0.13
3		499	9.031	34.124	3.46	0.06	3.62		30	26.399	35.320	4.39	0.13
4		399	11.333	34.242	4.23	0.06	4.39		40	26.402	35.320	4.39	0.14
5		300	14.204	34.451	4.27	0.05	4.52	nd	50	26.401	35.320	4.39	0.14
6		250	16.149	34.657	4.32	0.05	4.54	nd	75	26.384	35.320	4.41	0.17
7		199	18.387	34.926	4.22	0.07	4.44	0.013	100	24.108	35.353	4.64	0.44
8		1000	3.880	34.427	0.99	0.07			125	22.051	35.255	4.57	0.51
9		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		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		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 (Shallo	ow)	Time:	22:48		Longitude:	179	59.99W		_
		C	ΓD Data (B'	ΓL)			Routine Ar	nalysis Data		СТ	'D Data (LA	AY)	
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	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		100	25.671	35.331	4.54	1.54							
17	74	75	26.361	35.322	4.41	0.15							
18		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 (Taked	da)	Time:	00:28		Longitude:	179	59.98E		
		C'	ΓD Data (B'	ΓL)			Routine An	alysis Data		CT	'D Data (LA	AY)	
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							

Cruise:	KH-11-10		Station:	St.6		Date:	2011/12/15	í	Latitude:	22	59.99N	Depth:	4626m
Leg:	1		Cast:	C1 (Shallov	w)	Time:	18:23		Longitude:	169	59.93W		•
		C	ΓD Data (B'	ΓL)			Routine Ar	nalysis Data		CT	'D Data (LA	AY)	
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	***	***	***	4.75	0.088	10	25.329	35.238	4.49	0.16
1	110	111	23.320	35.237	4.38	0.63		0.254	20	25.328	35.238	4.47	0.16
2		151	20.509	35.118	4.11	0.12	4.32	0.034	30	25.328	35.238	4.47	0.16
3		126	22.030	35.207	4.21	0.30	4.46	0.108	40	25.332	35.238	4.48	0.19
4		99	23.749	35.235	4.45	0.60	4.69	0.291	50	25.332	35.237	4.47	0.23
5	76	76	25.329	35.236	4.46	0.29	4.70	0.168	75	25.332	35.237	4.46	0.25
6		49	25.331	35.237	4.46	0.23	4.72	0.143	100	23.843	35.232	4.44	0.64
7		30	25.329	35.238	4.47	0.18	4.72	0.108	125	22.577	35.229	4.28	0.46
8		20	25.328	35.238	4.47	0.17	4.71	0.107	150	21.069	35.171	4.15	0.13
9		9	25.324	35.238	4.48	0.15	4.72	0.098	175	19.421	35.014	4.08	0.07
10	5	5	25.324	35.238	4.48	0.15	4.71	0.095	200	18.041	34.876	4.20	0.06
11	108	109	23.371	35.237	4.39	0.59			202	18.010	34.873	4.17	0.06
12		111	23.328	35.237	4.38	0.61							
13		150	20.560	35.121	4.12	0.12							
14		150	20.544	35.120	4.10	0.12							
15		99	23.776	35.235	4.44	0.66							
16		101	23.784	35.235	4.44	0.66							
17		75	25.323	35.237	4.46	0.31							
18		75	25.326	35.237	4.46	0.27							
19		49	25.331	35.237	4.46	0.22							
20		50	25.331	35.237	4.46	0.22							
21	31	31	25.329	35.238	4.46	0.19							
22	29	29	25.329	35.238	4.48	0.19							
23		10	25.325	35.238	4.47	0.15							
24	9	9	25.324	35.238	4.47	0.15							

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		
		C'	ΓD Data (B'	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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	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	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	25.335	35.239	4.47	0.12							
15	14	15	25.357	35.239	4.48	0.12							
16		5	25.350	35.239	4.49	0.10							
17	5	5	25.351	35.239	4.47	0.10							
18		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	i	Latitude:	22	59.98N	Depth:	4626m
Leg:	1		Cast:	C3 (Gas)		Time:	21:29		Longitude:	170	00.04W		
		C'.	ΓD Data (Β΄	ΓL)			Routine Ar	nalysis Data		СТ	TD Data (L	AY)	
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		1500	2.775	34.564	1.55	0.07			10	25.344	35.239	4.47	0.11
2		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		
		C	ΓD Data (B'	ΓL)			Routine An	alysis Data		СТ	D Data (LA	AY)	
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	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	25.539	35.244	4.49	0.09							
15	5	5	25.533	35.244	4.47	0.09							
16		5	25.550	35.245	4.48	0.09							
17	5	5	25.542	35.245	4.48	0.09							
18		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	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		
		CT	TD Data (B	TL)			Routine Ar	nalysis Data		CT	TD Data (LA	AY)	
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		
		C	ΓD Data (B'	ΓL)			Routine Ar	alysis Data		CT	'D Data (LA	AY)	
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		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		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	25.077	35.313	4.51	0.14							
15	10	10	25.078	35.313	4.52	0.13							
16		11	25.080	35.313	4.51	0.14							
17	10	10	25.080	35.313	4.51	0.13							
18		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							

Cruise:	KH-11-10		Station:	St.7		Date:	2011/12/17		Latitude:	23	00.15N	Depth:	4436m
Leg:	1		Cast:	C2 (Suzuki)	Time:	03:19		Longitude:	165	00.31W		
		C7	TD Data (B	ΓL)			Routine Ar	nalysis Data		CT	'D Data (LA	AY)	
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	***	25.1	***	***	***			20	25.091	35.317	4.50	0.14
1	120	121	23.363	35.286	4.53	0.53			30	25.088	35.319	4.49	0.16
2		120	23.526	35.296	4.53	0.54			40	25.090	35.320	4.48	0.17
3		121	23.313	35.286	4.53	0.51			50	25.091	35.320	4.49	0.18
4		120	23.569	35.298	4.53	0.58			75	25.090	35.322	4.48	0.21
5		121	23.377	35.289	4.54	0.52			100	25.039	35.323	4.47	0.28
6		121	23.444	35.290	4.52	0.52			125	22.638	35.243	4.45	0.48
7		121	23.337	35.288	4.53	0.55			150	20.955	35.165	4.21	0.21
8		120	23.453	35.291	4.53	0.50			151	20.936	35.164	4.22	0.20
9		119	23.553	35.297	4.53	0.54							
10		120	23.500	35.293	4.52	0.55							
11	119	120	23.523	35.294	4.53	0.55							
12		121	23.524	35.294	4.54	0.54							
13		5	25.090	35.319	4.50	0.15							
14		5	25.094	35.319	4.51	0.16							
15		6	25.090	35.319	4.50	0.15							
16		6	25.092	35.319	4.51	0.15							
17		5	25.093	35.319	4.50	0.16							
18		5	25.093	35.319	4.51	0.15							
19		6	25.088	35.319	4.51	0.14							
20		6	25.084	35.319	4.49	0.15							
21	5	5	25.085	35.319	4.51	0.14							
22		5	25.086	35.319	4.49	0.17							
23		6	25.086	35.319	4.49	0.14							
24	5	5	25.089	35.319	4.50	0.16							

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		
		Cl	TD Data (B	ΓL)			Routine An	alysis Data		CT	'D Data (LA	AY)	
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 (Shallov	w)	Time:	11:32		Longitude:	165	00.02W		
		C7	TD Data (B7	ΓL)			Routine Ar	nalysis Data		CT	TD Data (LA	AY)	
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		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	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							

Cast	Cruise:	KH-11-10		Station:	St.8		Date:	2011/12/18		Latitude:	22	46.17N	Depth:	4747m
BTL Depth Pres. Temp. Sal DO Flu. DO Ch1-a Pres. Temp. Sal DO Flu. No. m db deg. C (psu) ml/l ug/l db deg. C (psu) ml/l ug/l Sur. 0 **** **** **** **** **** *** 1 1978 2000 2.039 34.623 1.97 0.07 30 24.257 35.289 4.56 0.23 2 991 1000 3.883 34.463 0.92 0.07 50 24.264 35.299 4.55 0.22 3 992 1000 3.883 34.463 0.92 0.07 75 24.264 35.200 4.55 0.23 4 992 1000 3.883 34.463 0.92 0.07 75 24.264 35.300 4.53 0.27 5 991 1000 3.883 34.46	Leg:	1		Cast:	C1 (Inc.)		Time:	16:11		Longitude:	158	05.41W		
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 24.256 35.289 4.55 0.23 1 1978 2000 2.039 34.623 1.97 0.07 30 24.257 35.289 4.55 0.23 2 991 1000 3.883 34.463 0.92 0.07 50 24.264 35.290 4.55 0.23 4 992 1000 3.883 34.463 0.92 0.07 75 24.264 35.200 4.55 0.23 4 992 1000 3.883 34.463 0.92 0.07 75 24.264 35.200 4.55 0.23 4 992 1000 3.883 34.463 0.92 0.07 150 23.433 35.261 4.35 0.23 <t< td=""><td></td><td></td><td>C'.</td><td>ΓD Data (B'</td><td>ΓL)</td><td></td><td></td><td>Routine Ar</td><td>nalysis Data</td><td></td><td>CT</td><td>D Data (LA</td><td>AY)</td><td></td></t<>			C'.	ΓD Data (B'	ΓL)			Routine Ar	nalysis Data		CT	D Data (LA	AY)	
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23 94 95 24.188 35.343 4.53 0.42				2.038			0.07			2000	2.039	34.623	1.98	0.07
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	24	. 10	10	24.240	35.290	4.56	0.23							
	1													

Cruise:	KH-11-10		Station:	St.8		Date:	2011/12/18		Latitude:	22	46.22N	Depth:	4747m
Leg:	1		Cast:	C2 (Shallov	w)	Time:	18:38		Longitude:	158	05.45W		
		C7	TD Data (B'	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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		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	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		
		C7	TD Data (B'	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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		
		C7	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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		199	17.461	34.706	3.40	0.04			20	29.292	34.289	4.27	0.03
3		199	17.473	34.707	3.41	0.04			30	29.309	34.312	4.28	0.02
4		199	17.476	34.707	3.40	0.04			40	29.312	34.342	4.29	0.03
5		199	17.479	34.707	3.41	0.04			50	28.742	34.654	4.45	0.03
6		199	17.491	34.708	3.41	0.05			75	28.068	34.882	4.47	0.05
7		199	17.513	34.709	3.40	0.04			100	26.325	35.156	4.46	0.11
8		198	17.549	34.712	3.41	0.04			125	24.119	35.228	4.20	0.18
9		198	17.498	34.708	3.42	0.05			150	22.024	35.128	3.85	0.13
10		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		198	17.477	34.707	3.41	0.04			250	12.200	34.371	3.39	0.02
13		150	22.082	35.131	3.85	0.12			300	10.465	34.327	2.86	0.02
14		151	22.030	35.128	3.86	0.12			400	8.509	34.454	1.70	0.03
15		151	22.061	35.131	3.85	0.12			500	7.298	34.483	1.67	0.03
16		151	22.072	35.132	3.86	0.12							
17		100	25.979	35.180	4.43	0.11							
18		100	26.003	35.180	4.43	0.11							
19		100	25.999	35.181	4.43	0.11							
20		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	28.934	34.580	4.42	0.03							
24	50	50	28.932	34.580	4.42	0.03							

Cruise:	KH-11-10		Station:	St.8		Date:	2011/12/18		Latitude:	22	46.21N	Depth:	4745m
Leg:	1		Cast:	C5 (Middle	e)	Time:	23:52		Longitude:	158	05.43W		
		C7	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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	***	24.7	***	***	***			10	24.273	35.291	4.54	0.13
1	1486	1500	2.788	34.567	1.48	0.07	1.61		20	24.273	35.291	4.54	0.15
2		1000	3.788	34.480	0.99	0.07	1.19		30	24.268	35.291	4.55	0.17
3		751	4.640	34.252	0.62	0.07	0.82		40	24.259	35.291	4.55	0.23
4		501	7.222	34.050	2.49	0.07	2.65		50	24.256	35.292	4.53	0.28
5		400	9.932	34.125	4.04	0.06	4.25		75	24.258	35.318	4.53	0.34
6		301	12.284	34.247	4.48	0.06	4.75	nd	100	23.633	35.297	4.47	0.33
7		251	14.317	34.372	4.27	0.06	4.52	nd	125	22.038	35.278	4.38	0.25
8		200	17.970	34.846	4.28	0.07	4.52	0.015	150	21.056	35.236	4.34	0.13
9		1501	2.788	34.567	1.49	0.07			175	19.697	35.093	4.31	0.09
10	1486	1501	2.788	34.568	1.48	0.07			200	17.701	34.809	4.28	0.06
11	992	1000	3.791	34.479	0.99	0.07			250	14.673	34.411	4.28	0.05
12		1000	3.791	34.479	0.98	0.07			300	12.561	34.261	4.48	0.05
13		1000	3.793	34.479	0.98	0.07			400	9.830	34.121	4.04	0.05
14		1000	3.793	34.479	0.98	0.07			500	7.150	34.051	2.47	0.06
15		751	4.641	34.252	0.62	0.07			600	5.736	34.079	1.49	0.07
16		750	4.644	34.252	0.62	0.07			700	4.855	34.202	0.74	0.07
17	497	501	7.211	34.050	2.48	0.07			800	4.336	34.328	0.58	0.07
18		501	7.210	34.050	2.49	0.07			900	4.143	34.412	0.74	0.07
19		501	7.210	34.050	2.49	0.07			1000	3.824	34.476	0.97	0.07
20		501	7.151	34.050	2.46	0.07			1200	3.354	34.528	1.20	0.07
21	298	300	12.401	34.253	4.49	0.05			1500	2.783	34.568	1.49	0.07
22	298	300	12.400	34.254	4.49	0.05							
23		200	18.263	34.886	4.26	0.07							
24	199	200	18.249	34.886	4.27	0.07							

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		
		C'	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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		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	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		
		C7	ΓD Data (B'	ΓL)			Routine An	alysis Data		CT	'D Data (LA	AY)	
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

Cruise:	KH-11-10		Station:	St.8		Date:	2011/12/19		Latitude:	22	46.26N	Depth:	4746m
Leg:	1		Cast:	C8 (Light_	N)	Time:	08:55		Longitude:	158	05.41W		
		CT	TD Data (B	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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	***	***	***			10	24.250	35.291	4.55	0.25
1	140	141	21.251	35.250	4.35	0.14			20	24.257	35.291	4.55	0.24
2		140	21.249	35.249	4.37	0.15			30	24.258	35.292	4.54	0.24
3		140	21.241	35.254	4.37	0.14			40	24.258	35.292	4.54	0.25
4		141	21.232	35.260	4.38	0.14			50	24.261	35.292	4.53	0.23
5		91	24.196	35.322	4.52	0.39			75	24.240	35.299	4.55	0.28
6		91	24.212	35.326	4.52	0.38			100	23.635	35.301	4.46	0.35
7		89	24.194	35.323	4.53	0.38			125	22.116	35.277	4.39	0.27
8		91	24.194	35.328	4.51	0.39			150	21.007	35.242	4.35	0.12
9		31	24.252	35.292	4.56	0.25			175	19.850	35.114	4.31	0.09
10		31	24.253	35.292	4.55	0.26			200	18.629	34.945	4.29	0.07
11	31	31	24.253	35.292	4.54	0.25			202	18.520	34.929	4.30	0.07
12		32	24.253	35.292	4.55	0.25							
13		13	24.250	35.292	4.56	0.25							
14		14	24.250	35.292	4.54	0.25							
15		14	24.250	35.292	4.54	0.25							
16		14	24.251	35.292	4.55	0.24							
17		5	24.247	35.292	4.52	0.24							
18		6	24.256	35.292	4.56	0.25							
19		5	24.256	35.292	4.56	0.24							
20		5	24.257	35.292	4.54	0.24							
21	5	5	24.253	35.292	4.55	0.24							
22	5	5	24.250	35.292	4.55	0.25							
23		8	24.251	35.292	4.54	0.25							
24	7	7	24.249	35.292	4.55	0.25							

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		_
		C'	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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		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		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		302	12.539	34.260	4.48	0.05							
17	150	151	21.396	35.246	4.35	0.15							
18		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		
		CT	TD Data (B	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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		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							

Cruise:	KH-11-10		Station:	St.8		Date:	2011/12/20		Latitude:	22	46.19N	Depth:	4746m
Leg:	1		Cast:	C11 (Sakur	na1)	Time:	08:02		Longitude:	158	05.39W		
		C7	TD Data (B	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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	24.162	35.295	4.56	0.24
1	152	153	21.164	35.254	4.37	0.13			10	24.165	35.295	4.56	0.24
2	151	152	21.187	35.254	4.37	0.13			20	24.156	35.293	4.56	0.23
3		153	21.158	35.254	4.37	0.13			30	24.171	35.295	4.55	0.25
4	151	152	21.183	35.254	4.37	0.14			40	24.158	35.292	4.56	0.24
5	99	100	24.114	35.324	4.50	0.37			50	24.155	35.292	4.55	0.24
6		101	24.094	35.328	4.51	0.37			75	24.116	35.289	4.56	0.24
7	101	102	24.091	35.328	4.51	0.34			100	24.092	35.326	4.50	0.38
8	101	101	24.100	35.328	4.50	0.38			125	22.697	35.296	4.45	0.39
9	50	51	24.190	35.299	4.56	0.24			150	21.232	35.252	4.37	0.13
10	50	50	24.187	35.299	4.54	0.28			152	21.161	35.256	4.37	0.14
11	50	50	24.189	35.299	4.55	0.30							
12	50	50	24.188	35.300	4.55	0.27							
13	30	30	24.175	35.299	4.53	0.29							
14	30	30	24.180	35.299	4.55	0.29							
15	29	30	24.177	35.299	4.55	0.26							
16	30	30	24.177	35.299	4.54	0.29							
17	10	10	24.181	35.301	4.55	0.26							
18	10	10	24.182	35.300	4.54	0.27							
19	9	9	24.181	35.300	4.55	0.26							
20	8	9	24.182	35.300	4.55	0.26							
21	6	6	24.177	35.300	4.55	0.26							
22	4	5	24.179	35.300	4.56	0.27							
23	4	4	24.177	35.300	4.53	0.26							
24	6	6	24.179	35.300	4.56	0.27							

Cruise:	KH-11-10		Station:	St.8		Date:	2011/12/20		Latitude:	22	46.28N	Depth:	4746m
Leg:	1		Cast:	C12 (Sakur	na2)	Time:	11:04		Longitude:	158	05.40W		
		C7	TD Data (B	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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	24.127	35.291	4.56	0.25							
17	10	10	24.123	35.292	4.55	0.26							
18		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	24.115	35.292	4.51	0.24							
24	5	5	24.116	35.292	4.51	0.24							

Cruise:	KH-11-10		Station:	St.9		Date:	2011/12/28		Latitude:	13	00.24N	Depth:	5443m
Leg:	2		Cast:	C1 (Light I	Depth)	Time:	02:44		Longitude:	148	00.06W		
		C7	TD Data (B'	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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	***	***	***			10	25.210	33.964	4.52	0.37
1	111	112	16.827	34.420	3.34	0.27			20	25.196	33.963	4.51	0.38
2	112	113	16.729	34.420	3.37	0.27			30	25.197	33.963	4.52	0.41
3		114	16.604	34.419	3.45	0.28			40	25.173	33.961	4.52	0.44
4	75	75	21.991	34.757	4.65	1.25			50	25.151	33.963	4.52	0.53
5	74	75	22.016	34.759	4.66	1.21			75	21.959	34.753	4.64	1.22
6		75	22.045	34.762	4.66	1.22			100	18.031	34.464	3.40	0.36
7	73	73	22.115	34.766	4.67	1.23			125	14.911	34.346	2.52	0.19
8		37	25.187	33.962	4.53	0.47			150	12.454	34.416	1.15	0.15
9	37	38	25.190	33.962	4.52	0.48			175	11.661	34.533	0.59	0.10
10	38	38	25.194	33.963	4.52	0.48			200	11.566	34.692	0.06	0.07
11	37	37	25.192	33.963	4.51	0.46			201	11.540	34.696	0.06	0.07
12	22	22	25.204	33.964	4.51	0.43							
13	22	22	25.209	33.964	4.52	0.42							
14	22	22	25.209	33.964	4.52	0.40							
15	23	23	25.208	33.964	4.51	0.41							
16	9	9	25.204	33.964	4.53	0.42							
17	8	8	25.204	33.964	4.53	0.40							
18	8	8	25.204	33.964	4.53	0.40							
19	9	9	25.203	33.964	4.53	0.42							
20	8	8	25.203	33.964	4.53	0.41							
21	9	9	25.201	33.964	4.52	0.42							
22	9	9	25.201	33.964	4.53	0.43							
23	10	10	25.201	33.964	4.52	0.41							
24	8	8	25.200	33.964	4.53	0.42							

Cruise:	KH-11-10		Station:	St.9		Date:	2011/12/28		Latitude:	12	59.96N	Depth:	5467m
Leg:	2		Cast:	C2 (Shallov	v)	Time:	03:55		Longitude:	147	59.41W		
		C	ΓD Data (B'	ΓL)			Routine Ar	nalysis Data		СТ	'D Data (LA	AY)	
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		125	13.673	34.272	2.37	0.18	2.51	0.051	30	25.190	33.958	4.53	0.61
3		99	17.481	34.442	3.37	0.35	3.57	0.124	40	25.184	33.957	4.53	0.61
4		75	21.353	34.677	4.46	1.03	4.68	0.345	50	25.165	33.960	4.52	0.62
5		49	24.850	34.106	4.58	0.95	4.82	0.178	75	21.352	34.678	4.42	1.03
6		30	25.171	33.957	4.52	0.72	4.78	0.124	100	17.710	34.458	3.41	0.33
7		20	25.182	33.957	4.51	0.68	4.76	0.122	125	13.947	34.285	2.42	0.20
8		10	25.176	33.957	4.51	0.69	4.80	0.122	150	12.416	34.468	0.85	0.14
9		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		99	17.551	34.446	3.38	0.32							
13		100	17.563	34.448	3.38	0.33							
14		100	17.574	34.448	3.38	0.34							
15		74	21.426	34.686	4.50	1.03							
16		74	21.461	34.691	4.52	1.02							
17		49	24.910	34.081	4.56	0.88							
18		50	25.057	34.018	4.51	0.84							
19		31	25.182	33.957	4.50	0.68							
20		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	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		
		CT	TD Data (B	ΓL)			Routine An	alysis Data		CT	'D Data (LA	AY)	
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&	kGas)	Time:	11:43		Longitude:	147	59.88W		
		C7	TD Data (B	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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		1000	4.533	34.541	0.61	0.07			40	25.139	33.954	4.51	0.98
3		900	5.038	34.531	0.44	0.07			50	25.140	33.954	4.51	0.88
4		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		700	6.184	34.515	0.27	0.07			125	15.159	34.342	2.61	0.20
7		600	7.097	34.521	0.21	0.07			150	12.555	34.256	2.15	0.14
8		500	8.341	34.567	0.13	0.07			175	11.735	34.483	0.83	0.13
9		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		151	12.868	34.272	1.99	0.13			600	7.111	34.522	0.21	0.07
15		124	15.456	34.359	3.23	0.24			700	6.194	34.516	0.28	0.07
16		100	18.774	34.613	3.97	0.40			800	5.566	34.524	0.32	0.07
17		75	20.974	34.690	4.49	0.69			900	5.038	34.531	0.43	0.07
18		51	24.295	34.411	4.62	1.04			1000	4.518	34.542	0.58	0.07
19		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													
24	0												

Cruise:	KH-11-10		Station:	St.10		Date:	2011/12/30		Latitude:	7	00.69N	Depth:	4940m
Leg:	2		Cast:	C1 (Light I	Depth)	Time:	00:27		Longitude:	141	59.69W		
		C7	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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		139	15.377	34.658	1.78	0.19			20	27.407	34.131	4.31	0.16
3		141	15.097	34.653	1.76	0.18			30	27.404	34.132	4.33	0.18
4		93	23.069	34.905	3.48	0.78			40	27.394	34.133	4.30	0.23
5		92	23.199	34.914	3.51	0.76			50	27.394	34.134	4.31	0.25
6		93	23.321	34.918	3.51	0.78			75	25.242	34.924	3.69	1.15
7		93	23.347	34.919	3.52	0.82			100	22.848	34.901	3.45	0.77
8		49	27.395	34.133	4.31	0.28			125	17.927	34.652	2.96	0.35
9		51	27.395	34.134	4.30	0.28			150	13.651	34.611	0.91	0.21
10		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	27.405	34.131	4.31	0.19			201	11.157	34.700	0.00	0.07
13		25	27.406	34.131	4.31	0.18							
14		10	27.407	34.131	4.29	0.17							
15		10	27.407	34.131	4.31	0.18							
16		9	27.408	34.131	4.30	0.18							
17		10	27.408	34.131	4.31	0.17							
18		10	27.408	34.131	4.30	0.18							
19		9	27.407	34.131	4.31	0.17							
20		10	27.408	34.131	4.31	0.17							
21	10	10	27.407	34.131	4.31	0.18							
22		10	27.407	34.131	4.30	0.18							
23		9	27.407	34.131	4.31	0.17							
24	9	9	27.407	34.131	4.30	0.17							

Cruise:	KH-11-10		Station:	St.10		Date:	2011/12/30		Latitude:	7	00.04N	Depth:	4959m
Leg:	2		Cast:	C2 (Shallov	w)	Time:	01:39		Longitude:	141	59.88W		
		C7	TD Data (B'				Routine Ar	nalysis Data		CT	'D Data (LA	AY)	
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	***	***	***	4.58	0.101	10	27.398	34.127	4.32	0.19
1	71	72	24.633	34.942	3.70	1.03		0.294	20	27.399	34.127	4.32	0.19
2		124	18.802	34.709	2.88	0.33	2.98	0.119	30	27.392	34.127	4.30	0.22
3		100	22.752	34.895	3.44	0.75	3.62	0.220	40	27.387	34.128	4.33	0.24
4		75	24.384	34.951	3.72	0.94	3.94	0.274	50	27.384	34.129	4.31	0.29
5		50	27.249	34.236	4.30	0.39	4.56	0.174	75	24.523	34.947	3.74	1.08
6		30	27.385	34.127	4.31	0.24	4.64	0.114	100	22.613	34.891	3.44	0.75
7		20	27.393	34.127	4.32	0.21	4.58	0.106	125	17.897	34.649	2.95	0.32
8		10	27.391	34.127	4.31	0.22	4.59	0.102	150	13.719	34.616	0.99	0.20
9		4	27.389	34.127	4.32	0.21	4.57	0.103	152	13.676	34.613	0.95	0.19
10		73	24.622	34.943	3.64	1.09							
11	72	72	24.676	34.940	3.67	1.14							
12		100	22.703	34.894	3.45	0.72							
13		99	22.810	34.897	3.43	0.75							
14		75	24.406	34.950	3.73	1.00							
15		75	24.417	34.950	3.71	1.01							
16		50	27.357	34.148	4.30	0.35							
17		49	27.366	34.139	4.30	0.33							
18		29	27.384	34.127	4.32	0.24							
19		30	27.385	34.127	4.31	0.25							
20		11	27.390	34.127	4.31	0.23							
21	10	10	27.390	34.127	4.32	0.22							
22	10	10	27.390	34.127	4.32	0.22							
23		4	27.390	34.127	4.31	0.21							
24	72	72	24.570	34.941	3.68	1.11							

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		
		Cl	TD Data (B'	ΓL)			Routine An	alysis Data		CT	'D Data (LA	AY)	
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&	kGas)	Time:	08:24		Longitude:	141	59.95W		
		C7	TD Data (B	ΓL)			Routine An	alysis Data		CT	'D Data (LA	AY)	
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		1000	4.928	34.556	0.76	0.08			40	27.365	34.124	4.31	0.34
3		900	5.383	34.551	0.72	0.07			50	27.380	34.149	4.30	0.41
4		802	5.957	34.554	0.54	0.07			75	26.248	34.847	4.17	1.16
5		750	6.242	34.558	0.40	0.07			100	22.427	34.885	3.39	0.68
6		701	6.618	34.567	0.19	0.07			125	17.750	34.649	2.90	0.31
7		600	7.248	34.585	0.16	0.08			150	14.058	34.624	1.25	0.16
8		501	8.287	34.620	0.17	0.07			175	12.366	34.664	0.24	0.19
9		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		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		200	11.277	34.700	0.51	0.08			600	7.218	34.585	0.19	0.07
15		150	14.068	34.617	1.26	0.17			700	6.639	34.568	0.17	0.07
16		75	26.053	34.866	4.12	1.05			800	5.984	34.555	0.52	0.07
17		124	17.712	34.641	2.85	0.35			900	5.408	34.552	0.72	0.07
18		101	22.295	34.876	3.38	0.67			1000	4.915	34.557	0.74	0.07
19		76	25.957	34.874	4.11	1.10			1200	4.162	34.571	1.06	0.08
20		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	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 I	Depth)	Time:	03:20		Longitude:	135	00.69W		
		C	ΓD Data (B'	ΓL)			Routine An	alysis Data		CT	'D Data (LA	AY)	
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		94	17.677	35.371	2.55	0.27			20	24.116	35.237	4.27	1.53
3		97	17.387	35.321	2.67	0.21			30	24.088	35.236	4.25	1.72
4		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		65	22.142	35.398	3.28	1.06			75	21.095	35.450	2.94	0.68
7		64	22.178	35.393	3.29	1.02			100	17.123	35.282	2.77	0.18
8		29	24.069	35.235	4.24	1.94			125	14.355	35.044	2.84	0.07
9		29	24.073	35.236	4.25	2.03			150	13.629	34.972	2.75	0.07
10		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	24.185	35.240	4.29	1.47			201	12.737	34.914	2.40	0.06
13		16	24.248	35.239	4.29	1.39							
14		16	24.282	35.238	4.29	1.41							
15		16	24.276	35.242	4.28	1.40							
16		7	24.325	35.244	4.28	1.29							
17		7	24.325	35.244	4.28	1.30							
18		6	24.323	35.244	4.29	1.31							
19		6	24.324	35.244	4.29	1.30							
20		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		97	17.407	35.323	2.67	0.23							
24	96	97	17.381	35.318	2.67	0.22							

Cruise:	ŀ	KH-11-10		Station:	St.11		Date:	2012/1/1		Latitude:	0	00.05S	Depth:	4370m
Leg:	2	2		Cast:	C2 (Shallo	w)	Time:	04:30		Longitude:	135	00.01W		•
			C	ΓD Data (B'	TL)			Routine Ar	nalysis Data			TD Data (LA	AY)	
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 Mis	s Tri	igger												

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		
		C7	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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		499	7.793	34.609	1.13	0.07			20	24.025	35.247	4.20	1.65
3		401	9.370	34.694	0.57	0.07			30	23.961	35.246	4.17	1.91
4		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		299	11.556	34.829	1.00	0.06			75	21.844	35.425	3.12	0.89
7		251	12.235	34.876	1.70	0.06			100	17.610	35.348	2.63	0.23
8		199	13.040	34.941	2.41	0.06			125	15.056	35.136	2.73	0.10
9		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	23.880	35.247	4.11	1.91			250	12.267	34.879	1.77	0.06
13		125	14.814	35.112	2.74	0.13			300	11.583	34.832	0.99	0.06
14		99	17.383	35.319	2.70	0.23			400	9.370	34.695	0.59	0.07
15		100	17.171	35.294	2.73	0.20			500	7.767	34.608	1.12	0.07
16		75	21.459	35.427	3.04	0.79			501	7.749	34.607	1.11	0.07
17		50	23.467	35.273	3.94	1.73							
18		50	23.569	35.263	3.95	1.71							
19		30	23.935	35.248	4.16	1.82							
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	24.112	35.253	4.25	1.58							
24	5	5	24.099	35.253	4.24	1.47							

Cruise:	KH-11-10		Station:	St.11		Date:	2012/1/1		Latitude:	0	00.31S	Depth:	4371m
Leg:	2		Cast:	C4 (Middle	e)	Time:	09:13		Longitude:	135	00.14W		
		C7	TD Data (B'				Routine An	nalysis Data		CT	'D Data (LA	AY)	
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	***	24.7	***	***	***			5	24.251	35.087	4.35	1.03
1	499	502	7.623	34.603	1.02	0.07	1.08		10	24.251	35.092	4.35	1.01
2	399	402	9.216	34.685	0.46	0.07	0.54		20	24.014	35.246	4.19	1.27
3	298	300	11.311	34.812	0.99	0.06	1.07	0.014	30	23.851	35.255	4.14	1.62
4	249	251	12.019	34.859	1.23	0.06	1.33	0.012	40	23.816	35.256	4.11	1.64
5	199	201	12.653	34.903	2.35	0.06	2.50	0.011	50	23.695	35.262	4.01	1.59
6	149	150	13.597	34.972	2.71	0.06	2.86	0.012	75	21.629	35.415	3.09	0.79
7	198	200	12.659	34.904	2.37	0.06			100	17.339	35.314	2.69	0.22
8	199	200	12.679	34.906	2.38	0.06			125	14.326	35.040	2.84	0.07
9	149	150	13.612	34.973	2.72	0.06			150	13.584	34.972	2.72	0.07
10	149	150	13.610	34.972	2.72	0.06			175	13.326	34.961	2.53	0.06
11	149	150	13.617	34.973	2.72	0.06			200	12.697	34.909	2.41	0.06
12	149	150	13.616	34.972	2.73	0.06			250	12.080	34.866	1.27	0.06
13	150	151	13.618	34.973	2.72	0.06			300	11.426	34.823	1.00	0.06
14	149	150	13.617	34.973	2.72	0.06			400	9.245	34.689	0.52	0.07
15	149	150	13.620	34.972	2.72	0.06			500	7.627	34.604	1.01	0.07
16	149	150	13.634	34.973	2.72	0.06			500	7.627	34.604	1.01	0.07
17	149	150	13.635	34.973	2.72	0.06							
18	149	150	13.637	34.973	2.72	0.06							
19	149	150	13.642	34.974	2.72	0.06							
20	149	150	13.643	34.974	2.73	0.06							
21	498	502	7.621	34.603	1.02	0.07							
22	398	401	9.173	34.684	0.47	0.07							
23	299	300	11.362	34.815	0.99	0.07							
24	199	200	12.682	34.906	2.39	0.06							

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		
		CT	TD Data (B	ΓL)			Routine Ar	alysis Data		CT	'D Data (LA	AY)	
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 (Shallov	w)	Time:	09:41		Longitude:	127	30.23W		
		C7	TD Data (B7	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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	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	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		
		C7	TD Data (B'	ΓL)			Routine An	alysis Data		CT	'D Data (LA	AY)	
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

Cruise:	KH-11-10		Station:	St.12		Date:	2012/1/3		Latitude:	7	30.02S	Depth:	4455m
Leg:	2		Cast:	C3 (Light I	Depth)	Time:	16:49		Longitude:	127	30.61W		•
		C'	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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	25.181	35.133	4.52	0.26
1	115	115	18.980	35.444	3.09	0.50			10	25.169	35.132	4.52	0.33
2		115	19.006	35.449	3.08	0.50			20	25.146	35.129	4.52	0.45
3		115	19.026	35.451	3.09	0.50			30	24.977	35.110	4.55	0.52
4		69	24.218	35.248	4.40	0.87			40	24.793	35.100	4.58	0.67
5		70	24.160	35.242	4.40	0.87			50	24.754	35.099	4.57	0.77
6		70	24.210	35.255	4.42	0.96			75	24.230	35.236	4.44	0.85
7		69	24.229	35.261	4.43	0.88			100	21.634	35.607	3.80	0.80
8		26	25.053	35.117	4.54	0.54			125	18.717	35.421	3.11	0.43
9		27	25.141	35.126	4.53	0.46			150	16.500	35.174	2.58	0.26
10		26	25.139	35.127	4.53	0.45			175	13.940	34.934	0.24	0.08
11	26	27	25.131	35.125	4.53	0.46			200	12.629	34.882	0.31	0.06
12		12	25.211	35.133	4.53	0.27			200	12.629	34.882	0.31	0.06
13		12	25.192	35.133	4.52	0.30							
14		12	25.195	35.133	4.53	0.29							
15		4	25.202	35.133	4.53	0.21							
16		4	25.202	35.133	4.53	0.27							
17		4	25.202	35.133	4.52	0.21							
18		4	25.203	35.133	4.52	0.22							
19		4	25.204	35.133	4.53	0.21							
20		4	25.205	35.133	4.53	0.21							
21	4	4	25.205	35.133	4.52	0.21							
22	4	4	25.205	35.133	4.52	0.21							
23		115	19.021	35.449	3.09	0.50							
24	115	116	19.015	35.449	3.09	0.47							

Cruise:	KH-11-10		Station:	St.12		Date:	2012/1/3		Latitude:	7	29.93S	Depth:	4459m
Leg:	2		Cast:	C4 (Metal&	kGas)	Time:	17:57		Longitude:	127	30.03W		
		CT	TD Data (B	ΓL)			Routine An	alysis Data		CT	'D Data (LA	AY)	
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	25.247	35.102	4.52	0.19
1	1239	1250	3.584	34.568	2.24	0.06			10	25.254	35.102	4.53	0.22
2		1000	4.427	34.542	1.94	0.06			20	25.208	35.101	4.53	0.39
3		900	4.887	34.536	1.77	0.06			30	25.192	35.107	4.52	0.46
4		800	5.442	34.538	1.33	0.06			40	24.801	35.093	4.56	0.64
5		750	5.753	34.541	1.18	0.06			50	24.769	35.101	4.56	0.73
6		700	6.065	34.548	1.00	0.06			75	24.122	35.253	4.38	0.86
7		600	6.966	34.578	0.44	0.06			100	21.699	35.536	3.75	0.89
8		500	8.213	34.635	0.40	0.06			125	18.778	35.432	3.13	0.47
9		400	9.527	34.713	0.21	0.06			150	16.312	35.148	2.52	0.28
10	299	301	10.890	34.799	0.25	0.06			175	13.856	34.914	0.53	0.08
11	249	250	11.672	34.846	0.41	0.06			200	12.685	34.889	0.14	0.07
12		200	12.760	34.882	0.21	0.08			250	11.569	34.842	0.42	0.05
13	149	150	16.386	35.151	2.50	0.28			300	10.890	34.805	0.27	0.06
14		149	16.397	35.154	2.51	0.27			400	9.571	34.718	0.21	0.06
15		86	21.958	35.460	3.80	0.93			500	8.198	34.636	0.37	0.06
16	124	125	18.260	35.391	3.14	0.39			600	7.035	34.582	0.40	0.06
17	100	100	21.549	35.820	4.00	0.87			700	6.076	34.549	0.99	0.06
18		100	21.479	35.824	3.98	0.87			800	5.411	34.538	1.38	0.06
19		75	24.245	35.267	4.43	0.91			900	4.865	34.537	1.80	0.06
20		50	24.752	35.100	4.57	0.81			1000	4.409	34.544	1.94	0.06
21	31	31	25.160	35.078	4.53	0.46			1200	3.711	34.563	2.19	0.06
22	20	20	25.153	35.060	4.54	0.34			1300	3.456	34.573	2.27	0.06
23		10	25.229	35.060	4.54	0.21							
24	5	5	25.264	35.060	4.54	0.18							

Cruise:	KH-11-10		Station:	St.13		Date:	2012/1/5		Latitude:	15	00.04S	Depth:	3640m
Leg:	2		Cast:	C1 (Metal)		Time:	12:37		Longitude:	120	00.06W		
		C7	TD Data (B7	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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	25.546	35.883	4.53	0.59
1	69	70	23.678	36.044	4.62	1.09			10	25.520	35.885	4.54	0.56
2		201	20.019	35.809	4.21	0.11			20	25.226	35.883	4.60	0.66
3		151	21.831	36.175	4.34	0.24			30	24.952	35.874	4.61	0.75
4		100	23.065	36.150	4.47	0.84			40	24.894	35.885	4.60	0.89
5		50	24.508	35.894	4.64	1.11			50	24.758	35.888	4.61	0.92
6		19	25.269	35.882	4.58	0.61			75	23.634	36.052	4.62	1.01
7		10	25.536	35.883	4.52	0.52			100	23.134	36.145	4.49	0.83
8		5	25.524	35.884	4.54	0.53			125	22.636	36.186	4.43	0.59
9		71	23.694	36.043	4.61	1.07			150	22.177	36.219	4.39	0.36
10		70	23.706	36.041	4.61	1.14			175	21.256	36.071	4.27	0.17
11	199	201	20.017	35.808	4.22	0.10			200	20.259	35.863	4.21	0.12
12		201	20.024	35.810	4.20	0.10			207	19.980	35.801	4.21	0.09
13		150	21.954	36.201	4.35	0.28							
14		150	22.092	36.231	4.37	0.31							
15		100	23.066	36.151	4.47	0.83							
16		100	23.064	36.151	4.49	0.83							
17		50	24.483	35.896	4.64	1.07							
18		50	24.483	35.896	4.63	1.08							
19		20	25.274	35.883	4.58	0.65							
20		19	25.266	35.884	4.59	0.63							
21	10	10	25.522	35.883	4.53	0.53							
22	10	10	25.526	35.883	4.52	0.57							
23		5	25.523	35.884	4.53	0.52							
24	5	5	25.526	35.884	4.52	0.54							

Cruise:	KH-11-10		Station:	St.13		Date:	2012/1/5		Latitude:	15	00.03S	Depth:	3640m
Leg:	2		Cast:	C2 (Shallov	w)	Time:	14:10		Longitude:	119	59.99W		
		C7	TD Data (B'	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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		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	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 I	Depth)	Time:	15:40		Longitude:	120	00.01W		
		C7	TD Data (B'	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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		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		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		
		Cl	TD Data (B	TL)			Routine An	alysis Data		CT	'D Data (LA	AY)	
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			20	00.35S	Depth:	3589m
Leg:	2	2		Cast:	C1 (Light l	Depth)	Time:	15:16		Longitude:	120	00.13W		•
			C	ΓD Data (B'	ΓL)			Routine Ar	nalysis Data			TD Data (LA	AY)	
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 Mis	s Tr	rigger												

Cruise:	KH-11-10		Station:	St.14		Date:	2012/1/6		Latitude:	19	59.98S	Depth:	3524m
Leg:	2		Cast:	C2 (Shallov	w)	Time:	16:28		Longitude:	120	00.16W		
		C7	TD Data (B'	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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		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	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		
		C7	ΓD Data (B'	ΓL)			Routine Ar	nalysis Data		CT	TD Data (LA	AY)	
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

Cruise:	KH-11-10		Station:	St.14		Date:	2012/1/6		Latitude:	19	59.84S	Depth:	3466m
Leg:	2		Cast:	C4 (Metal&	&Gas)	Time:	23:13		Longitude:	120	00.06W		
		C7	ΓD Data (B'	ΓL)			Routine Ar	nalysis Data		CT	'D Data (LA	AY)	
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	25.909	36.276	4.52	0.34
1	1239	1250	3.464	34.547	2.49	0.06			10	25.844	36.279	4.54	0.31
2		1000	4.153	34.505	2.45	0.06			20	25.015	36.279	4.67	0.40
3		850	4.574	34.410	2.87	0.06			30	24.594	36.263	4.70	0.50
4		751	5.054	34.342	3.51	0.06			40	24.382	36.253	4.70	0.62
5	695	700	5.357	34.323	3.85	0.05			50	24.167	36.244	4.71	0.58
6		600	6.033	34.320	4.21	0.05			75	23.789	36.250	4.59	0.85
7		500	7.531	34.392	2.95	0.06			100	23.187	36.403	4.51	0.81
8		400	10.871	34.478	3.50	0.05			125	22.789	36.388	4.45	0.70
9		301	18.555	35.535	4.19	0.05			150	22.654	36.411	4.43	0.44
10	249	250	20.255	35.873	4.24	0.06			175	22.525	36.402	4.39	0.19
11	198	200	22.240	36.337	4.38	0.09			200	22.334	36.364	4.41	0.09
12		87	23.685	36.309	4.57	0.89			250	20.294	35.885	4.24	0.06
13	149	150	22.609	36.409	4.42	0.37			300	18.639	35.553	4.18	0.05
14		150	22.610	36.409	4.42	0.37			400	11.193	34.502	3.60	0.05
15		126	22.777	36.392	4.45	0.70			500	7.471	34.391	2.98	0.05
16		100	23.280	36.365	4.53	0.90			600	6.107	34.326	4.16	0.05
17		100	23.283	36.368	4.53	0.87			700	5.349	34.321	3.90	0.05
18		75	23.889	36.244	4.63	0.86			800	4.824	34.375	3.15	0.06
19		50	24.436	36.257	4.69	0.72			900	4.427	34.453	2.68	0.06
20		50	24.442	36.258	4.68	0.70			1000	4.159	34.505	2.47	0.06
21	29	30	25.171	36.286	4.66	0.47			1200	3.601	34.540	2.47	0.06
22	20	20	25.594	36.279	4.57	0.40			1252	3.463	34.548	2.49	0.06
23		10	25.963	36.259	4.47	0.34							
24	5	5	25.961	36.257	4.47	0.33							

Cruise:	KH-11-10		Station:	St.15		Date:	2012/1/7		Latitude:	22	59.93S	Depth:	3724m
Leg:	2		Cast:	C1 (Shallov	w)	Time:	12:32		Longitude:	120	00.04W		
		C7	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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		150	22.047	36.267	4.69	0.25		0.113	20	25.113	36.532	4.51	0.23
3		124	22.513	36.355	4.71	0.19	5.00	0.069	30	24.750	36.591	4.55	0.11
4		100	22.909	36.428	4.71	0.15	5.00	0.052	40	24.517	36.577	4.55	0.11
5		76	23.178	36.460	4.70	0.13	4.96	0.043	50	24.062	36.546	4.65	0.12
6		50	24.093	36.547	4.62	0.12	4.91	0.040	75	23.207	36.461	4.70	0.12
7		31	24.772	36.593	4.52	0.11	4.80	0.033	100	22.872	36.423	4.69	0.15
8		20	25.116	36.533	4.49	0.22	4.76	0.062	125	22.460	36.344	4.72	0.18
9		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		174	21.521	36.163	4.65	0.55			203	20.594	35.956	4.57	0.33
13		149	22.050	36.269	4.69	0.25							
14		150	22.049	36.268	4.70	0.25							
15		101	22.913	36.429	4.72	0.14							
16		100	22.912	36.429	4.71	0.15							
17		75	23.186	36.462	4.69	0.14							
18		75	23.177	36.461	4.68	0.14							
19		51	24.087	36.548	4.62	0.12							
20		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	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			22	59.97S	Depth:	3730m
Leg:	2		Cast:	C2 (Light I	Depth 1)	Time:	16:00		Longitude:	120	00.04W		
		C	ΓD Data (B'				Routine Ar	nalysis Data			ΓD Data (LA		
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		195	21.358	36.126	4.67	0.53			20	25.165	36.524	4.48	0.14
3		195	21.362	36.128	4.66	0.51			30	24.738	36.591	4.54	0.09
4		195	21.360	36.127	4.67	0.56			40	24.540	36.578	4.57	0.09
5		195	21.360	36.127	4.66	0.57			50	24.007	36.545	4.63	0.10
6		155	22.147	36.292	4.68	0.24			75	23.278	36.456	4.70	0.11
7		155	22.170	36.297	4.69	0.25			100	22.985	36.441	4.72	0.13
8		156	22.171	36.297	4.70	0.24			125	22.691	36.393	4.71	0.18
9		156	22.170	36.297	4.68	0.24			150	22.278	36.318	4.70	0.21
10		156	22.170	36.297	4.68	0.25			175	21.762	36.215	4.63	0.37
11		42	24.191	36.551	4.59	0.09			200	21.172	36.086	4.66	0.51
12		42	24.178	36.551	4.60	0.09			201	21.137	36.081	4.67	0.47
13		42	24.172	36.551	4.61	0.09							
14		42	24.180	36.552	4.60	0.09							
15		42	24.172	36.551	4.61	0.09							
16		17	25.226	36.498	4.46	0.12							
17		16	25.225	36.499	4.48	0.12							
18		16	25.222	36.500	4.47	0.12							
19		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	25.251	36.498	4.47	0.10							
23		195	21.365	36.129	4.65	0.54							
24		156	22.180	36.299	4.68	0.22							
#10 Miss T	Trigger												

Cruise:	KH-11-10		Station:	St.15		Date:	2012/1/7		Latitude:	22	59.98S	Depth:	3721m
Leg:	2		Cast:	C3 (Light I	Depth 3)	Time:	17:04		Longitude:	120	00.02W		
		C7	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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	25.310	36.500	4.47	0.08
1	191	192	21.441	36.146	4.65	0.54			10	25.271	36.499	4.47	0.09
2		191	21.456	36.149	4.65	0.49			20	25.136	36.536	4.50	0.11
3		191	21.470	36.152	4.65	0.54			30	24.789	36.599	4.52	0.08
4		192	21.453	36.149	4.66	0.52			40	24.551	36.579	4.56	0.08
5		101	22.799	36.412	4.72	0.15			50	24.053	36.547	4.62	0.09
6		101	22.815	36.414	4.72	0.15			75	23.186	36.463	4.70	0.10
7		101	22.812	36.414	4.71	0.15			100	22.841	36.420	4.71	0.15
8		100	22.818	36.415	4.71	0.15			125	22.596	36.373	4.71	0.17
9		31	24.720	36.590	4.52	0.07			150	22.173	36.298	4.68	0.23
10		31	24.718	36.591	4.52	0.07			175	21.692	36.201	4.64	0.44
11	31	31	24.713	36.590	4.54	0.07			200	21.313	36.119	4.67	0.56
12		30	24.723	36.591	4.53	0.08			200	21.313	36.119	4.67	0.56
13		5	25.341	36.500	4.47	0.09							
14		17	25.245	36.502	4.48	0.10							
15		42	24.289	36.558	4.59	0.08							
16		155	22.032	36.269	4.69	0.26							
17		196	21.367	36.130	4.66	0.50							
18		192	21.441	36.146	4.65	0.55							
19		100	22.814	36.414	4.71	0.15							
20		31	24.723	36.591	4.54	0.07							
21	16	16	25.239	36.503	4.46	0.11							
22	42	42	24.206	36.554	4.60	0.08							
23		155	22.032	36.269	4.69	0.25							
24	194	195	21.369	36.130	4.64	0.57							

Cruise:	KH-11-10		Station:	St.15		Date:	2012/1/7		Latitude:	22	59.95S	Depth:	3731m
Leg:	2		Cast:	C4 (Incuba	tion)	Time:	18:21		Longitude:	120	00.09W		
		C	TD Data (B'	TL)			Routine Ar	nalysis Data		СТ	TD Data (LA	AY)	
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
1		100	22.756	36.403	4.72	0.15			175	21.752	36.214	4.65	0.40
1		50	23.843	36.531	4.67	0.08			200	21.255	36.105	4.67	0.52
1		10	25.377	36.500	4.48	0.08			250	19.175	35.639	4.41	0.23
1		10	25.307	36.500	4.48	0.08			300	15.864	35.052	4.27	0.06
1		10	25.294	36.500	4.48	0.08			400	11.472	34.560	4.18	0.05
1.		10	25.288	36.500	4.48	0.08			500	7.907	34.377	3.43	0.05
1		10	25.265	36.500	4.48	0.08			600	6.267	34.317	4.60	0.05
1		10	25.263	36.500	4.47	0.08			700	5.543	34.300	4.48	0.05
1		10	25.284	36.500	4.49	0.08			800	4.921	34.317	4.00	0.05
1		1001	4.244	34.450	3.02	0.06			900	4.516	34.382	3.35	0.05
2		401	11.243	34.541	4.16	0.05			1000	4.243	34.451	3.01	0.05
2	1 200	201	20.891	36.025	4.62	0.43			1001	4.244	34.452	3.00	0.05
2		202	20.866	36.019	4.62	0.42							
2		101	22.755	36.403	4.73	0.15							
2		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	e)	Time:	20:07		Longitude:	120	00.55W		
		CT	TD Data (B	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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		500	7.752	34.371	3.47	0.05	3.67		20	24.858	36.594	4.54	0.07
3		400	10.906	34.515	4.15	0.05	4.38		30	24.583	36.576	4.57	0.07
4		300	16.429	35.130	4.30	0.08	4.57	0.013	40	24.138	36.549	4.63	0.07
5		250	18.765	35.549	4.39	0.21	4.63	0.056	50	23.763	36.525	4.66	0.08
6		200	20.972	36.041	4.64	0.47	4.90	0.143	75	23.157	36.459	4.70	0.09
7		500	7.734	34.371	3.46	0.05			100	22.749	36.403	4.72	0.14
8		500	7.726	34.371	3.47	0.05			125	22.349	36.324	4.71	0.20
9		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		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		751	5.243	34.300	4.33	0.05			400	11.026	34.527	4.17	0.05
15		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		402	10.884	34.515	4.16	0.05			752	5.228	34.302	4.32	0.05
19		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		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		
		C7	ΓD Data (B'	ΓL)			Routine Ar	alysis Data		CT	TD Data (LA	AY)	
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

Cruise:	KH-11-10		Station:	St.15		Date:	2012/1/8		Latitude:	22	59.67S	Depth:	3714m
Leg:	2		Cast:	C7 (Metal)		Time:	02:24		Longitude:	119	59.94W		
		CT	TD Data (B	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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	25.570	36.499	4.48	0.16
1	743	749	5.179	34.302	4.29	0.05			10	25.576	36.500	4.47	0.16
2		499	7.945	34.375	3.46	0.05			20	25.216	36.479	4.48	0.17
3		500	7.926	34.375	3.45	0.05			30	24.913	36.585	4.53	0.14
4		400	11.038	34.525	4.16	0.05			40	24.180	36.553	4.60	0.11
5		301	16.611	35.161	4.30	0.07			50	23.958	36.534	4.64	0.11
6		201	20.729	35.989	4.61	0.42			75	23.364	36.464	4.68	0.12
7		201	20.723	35.989	4.61	0.40			100	22.716	36.387	4.72	0.16
8		202	20.721	35.988	4.62	0.39			125	22.087	36.286	4.66	0.26
9		168	21.179	36.089	4.68	0.55			150	21.634	36.190	4.66	0.45
10	149	150	21.509	36.163	4.67	0.56			175	21.068	36.066	4.64	0.54
11	99	100	22.694	36.383	4.72	0.16			200	20.671	35.976	4.58	0.40
12		99	22.714	36.387	4.71	0.17			250	19.022	35.606	4.40	0.22
13		100	22.707	36.386	4.71	0.16			300	16.622	35.167	4.31	0.08
14		50	23.912	36.528	4.65	0.13			400	10.845	34.514	4.14	0.04
15		50	23.967	36.534	4.65	0.12			500	7.856	34.374	3.47	0.05
16		50	23.974	36.535	4.65	0.12			600	6.318	34.320	4.51	0.05
17		20	25.181	36.492	4.51	0.21			700	5.585	34.298	4.54	0.05
18		10	25.500	36.492	4.48	0.19			751	5.180	34.302	4.30	0.05
19		5	25.491	36.491	4.48	0.20							
20		150	21.513	36.166	4.68	0.56							
21	497	500	7.924	34.375	3.46	0.05							
22	200	201	20.721	35.988	4.60	0.41							
23		100	22.716	36.388	4.72	0.17							
24	49	50	23.987	36.536	4.64	0.13							

Cruise:	KH-11-10		Station:	St.15		Date:	2012/1/8		Latitude:	22	59.92S	Depth:	3724m
Leg:	2		Cast:	C8 (Light I	Depth 2)	Time:	05:54		Longitude:	120	00.03W		
		C'	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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		196	20.878	36.023	4.62	0.44			20	25.184	36.483	4.49	0.24
3		195	20.875	36.023	4.64	0.44			30	24.805	36.593	4.54	0.12
4		196	20.878	36.023	4.62	0.43			40	24.216	36.554	4.61	0.11
5		155	21.629	36.188	4.64	0.47			50	24.080	36.544	4.62	0.11
6		155	21.676	36.198	4.65	0.46			75	23.393	36.467	4.68	0.11
7		156	21.664	36.195	4.65	0.46			100	22.697	36.383	4.73	0.15
8		154	21.701	36.203	4.64	0.47			125	22.229	36.303	4.70	0.20
9		42	24.198	36.551	4.62	0.12			150	21.758	36.217	4.66	0.40
10		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	24.181	36.551	4.62	0.11			201	20.689	35.980	4.58	0.36
13		16	25.281	36.482	4.46	0.25							
14		16	25.387	36.475	4.46	0.25							
15		16	25.346	36.477	4.47	0.24							
16		16	25.372	36.478	4.47	0.24							
17		5	25.411	36.480	4.47	0.24							
18		5	25.411	36.480	4.47	0.24							
19		6	25.412	36.480	4.44	0.25							
20		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	25.414	36.480	4.45	0.25							
24	5	5	25.413	36.480	4.48	0.24							

Cruise:	KH-11-10		Station:	St.15		Date:	2012/1/9		Latitude:	22	59.97S	Depth:	3731m
Leg:	2		Cast:	C9 (Flux 1)		Time:	01:37		Longitude:	120	00.08W		
		C7	TD Data (B7	ΓL)			Routine An	alysis Data		CT	'D Data (LA	AY)	
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	***	***	***			10	25.609	36.497	4.46	0.16
1	50	51	24.461	36.556	4.59	0.10			20	25.136	36.562	4.51	0.13
2	50	50	24.484	36.557	4.58	0.10			30	24.912	36.591	4.54	0.11
3		50	24.481	36.557	4.59	0.10			40	24.604	36.565	4.58	0.10
4	50	51	24.452	36.556	4.59	0.10			50	24.515	36.560	4.58	0.10
5	50	50	24.480	36.558	4.58	0.10			51	24.574	36.563	0.00	0.10
6		50	24.501	36.557	4.58	0.10							
7	25	25	24.913	36.583	4.53	0.11							
8	25	26	25.014	36.580	4.54	0.12							
9	25	25	24.993	36.583	4.52	0.12							
10	25	25	25.006	36.583	4.53	0.12							
11	25	25	25.006	36.586	4.53	0.12							
12	25	25	24.970	36.593	4.53	0.11							
13	10	10	25.629	36.494	4.46	0.16							
14	10	11	25.618	36.498	4.48	0.17							
15	9	10	25.627	36.496	4.48	0.17							
16	9	9	25.641	36.494	4.47	0.17							
17	10	10	25.625	36.497	4.46	0.17							
18	10	10	25.629	36.497	4.47	0.17							
19	5	5	25.641	36.493	4.47	0.17							
20	5	5	25.641	36.493	4.47	0.17							
21	5	5	25.641	36.493	4.46	0.16							
22	4	4	25.642	36.493	4.48	0.17							
23		5	25.646	36.492	4.48	0.16							
24	4	4	25.651	36.492	4.45	0.17							

Cruise:	KH-11-10		Station:	St.15		Date:	2012/1/9		Latitude:	23	00.30S	Depth:	3739m
Leg:	2		Cast:	C10 (Flux 2	2)	Time:	04:01		Longitude:	120	01.35W		
		C7	TD Data (B'				Routine An	nalysis Data			'D Data (L <i>A</i>	AY)	
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	***	***	***	***	***			10	25.558	36.513	4.49	0.24
1	49	50	24.385	36.557	4.61	0.12			20	25.457	36.522	4.50	0.22
2		50	24.391	36.558	4.60	0.12			30	24.886	36.579	4.54	0.13
3		50	24.385	36.558	4.60	0.12			40	24.782	36.578	4.55	0.12
4		50	24.345	36.556	4.61	0.12			50	24.390	36.558	4.60	0.12
5		50	24.362	36.557	4.61	0.12			51	24.475	36.563	4.60	0.12
6		51	24.333	36.556	4.61	0.12							
7		25	24.957	36.577	4.54	0.14							
8		25	24.999	36.572	4.53	0.14							
9		25	25.045	36.566	4.54	0.16							
10		25	25.040	36.569	4.53	0.15							
11	25	25	25.003	36.574	4.53	0.15							
12		25	24.991	36.575	4.52	0.15							
13		10	25.573	36.512	4.47	0.25							
14		10	25.568	36.513	4.47	0.24							
15		10	25.569	36.513	4.46	0.24							
16		10	25.572	36.512	4.49	0.25							
17		10	25.569	36.513	4.48	0.24							
18		10	25.573	36.512	4.48	0.24							
19		5	25.576	36.512	4.47	0.26							
20		5	25.576	36.512	4.48	0.25							
21	4	5	25.595	36.512	4.46	0.25							
22		5	25.588	36.512	4.48	0.27							
23		5	25.586	36.512	4.48	0.27							
24	5	5	25.582	36.512	4.48	0.28							

Cruise:	KH-11-10		Station:	St.15		Date:	2012/1/9		Latitude:	23	00.83S	Depth:	3705m
Leg:	2		Cast:	C11 (Flux 3	3)	Time:	07:01		Longitude:	120	03.44W		
		C7	TD Data (B'				Routine An	nalysis Data			'D Data (L <i>A</i>	AY)	
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	23.718	36.512	4.67	0.11			20	25.422	36.525	4.50	0.23
3		50	23.721	36.512	4.67	0.12			30	24.858	36.575	4.55	0.14
4		50	23.711	36.514	4.67	0.11			40	24.287	36.557	4.62	0.12
5		50	23.709	36.513	4.67	0.11			50	23.789	36.512	4.66	0.11
6		50	23.715	36.514	4.66	0.11			51	23.746	36.506	4.68	0.10
7		25	24.993	36.564	4.52	0.15							
8		25	24.991	36.565	4.53	0.15							
9		25	24.988	36.566	4.53	0.15							
10		25	25.054	36.559	4.52	0.16							
11	25	25	25.068	36.557	4.52	0.17							
12		25	25.061	36.559	4.52	0.17							
13		10	25.459	36.523	4.48	0.23							
14		10	25.461	36.523	4.48	0.23							
15		10	25.465	36.523	4.48	0.22							
16		10	25.461	36.523	4.49	0.23							
17		10	25.460	36.523	4.48	0.27							
18		10	25.461	36.523	4.49	0.24							
19		5	25.459	36.522	4.47	0.24							
20		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	25.462	36.523	4.47	0.23							
24	5	5	25.463	36.523	4.48	0.23							

Cruise:	KH-11-10		Station:	St.15		Date:	2012/1/9		Latitude:	23	03.48S	Depth:	3524m
Leg:	2		Cast:	C12 (Flux 4	4)	Time:	12:03		Longitude:	120	06.32W		
		C'	ΓD Data (B'	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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	***	***	***			10	25.344	36.515	4.47	0.19
1	50	50	24.345	36.545	4.61	0.11			20	25.351	36.515	4.48	0.19
2		50	24.328	36.543	4.61	0.11			30	25.082	36.537	4.49	0.16
3		49	24.336	36.543	4.58	0.11			40	24.726	36.569	4.55	0.12
4		49	24.340	36.544	4.60	0.11			50	24.533	36.557	4.59	0.12
5		50	24.297	36.541	4.59	0.11			52	24.258	36.537	4.57	0.12
6		50	24.288	36.541	4.60	0.12							
7		25	25.210	36.526	4.49	0.17							
8		25	25.265	36.521	4.49	0.17							
9		24	25.287	36.519	4.49	0.18							
10		25	25.267	36.521	4.49	0.17							
11	25	25	25.218	36.526	4.49	0.17							
12		26	25.179	36.530	4.49	0.17							
13		10	25.348	36.517	4.47	0.19							
14		10	25.349	36.517	4.48	0.19							
15		10	25.348	36.517	4.48	0.19							
16		11	25.350	36.517	4.47	0.18							
17		10	25.341	36.517	4.47	0.19							
18		11	25.348	36.517	4.47	0.19							
19		5	25.339	36.516	4.48	0.19							
20		5	25.340	36.517	4.47	0.19							
21	5	5	25.339	36.517	4.46	0.19							
22		5	25.345	36.517	4.47	0.19							
23		5	25.341	36.517	4.47	0.19							
24	5	6	25.347	36.517	4.48	0.19							

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		
		Cl	TD Data (B'	ΓL)			Routine An	alysis Data		CT	'D Data (LA	AY)	
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

Cruise:	KH-11-10		Station:	St.16		Date:	2012/1/10		Latitude:	26	29.97S	Depth:	3248m
Leg:	2		Cast:	C2 (Shallov	w)	Time:	10:39		Longitude:	119	59.98W		
		C7	TD Data (B	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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	0.022	5	24.450	36.332	4.56	0.07
1	177	178	19.442	35.640	4.69	0.65		0.180	10	24.445	36.332	4.56	0.07
2		125	20.850	35.908	4.81	0.18	5.08	0.066	20	24.446	36.332	4.57	0.07
3		100	21.439	36.006	4.82	0.13	5.08	0.046	30	24.373	36.334	4.56	0.07
4		76	22.105	36.118	4.81	0.10		0.033	40	24.231	36.330	4.57	0.08
5		50	23.261	36.207	4.73	0.08	5.02	0.025	50	23.382	36.202	4.71	0.08
6		30	24.247	36.325	4.57	0.08	4.83	0.025	75	21.981	36.086	4.83	0.10
7		20	24.393	36.332	4.55	0.07	4.81	0.022	100	21.375	36.005	4.82	0.13
8		10	24.422	36.332	4.55	0.07	4.81	0.023	125	20.553	35.838	4.86	0.19
9		6	24.428	36.332	4.55	0.07	4.78	0.024	150	19.976	35.736	4.78	0.29
10		179	19.521	35.652	4.72	0.62			175	19.369	35.631	4.64	0.64
11	177	178	19.472	35.644	4.73	0.57			200	18.528	35.469	4.56	0.55
12		100	21.439	36.006	4.82	0.13			200	18.528	35.469	4.56	0.55
13		100	21.438	36.006	4.82	0.13							
14		76	22.110	36.123	4.80	0.09							
15		75	22.115	36.123	4.81	0.10							
16		50	23.303	36.207	4.72	0.08							
17		50	23.334	36.209	4.73	0.08							
18		30	24.276	36.329	4.57	0.09							
19		30	24.305	36.329	4.56	0.08							
20		20	24.429	36.331	4.55	0.07							
21	10	10	24.423	36.332	4.54	0.07							
22	10	10	24.423	36.332	4.54	0.08							
23		5	24.429	36.332	4.56	0.07							
24	176	178	19.484	35.645	4.77	0.56							

Cruise:	KH-11-10		Station:	St.16		Date:	2012/1/10		Latitude:	26	29.82S	Depth:	3226m
Leg:	2		Cast:	C3 (Light I	Depth)	Time:	15:02		Longitude:	120	00.24W		
		C7	TD Data (B'	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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	24.391	36.334	4.56	0.06
1	214	216	17.885	35.352	4.51	0.44			10	24.392	36.333	4.54	0.06
2		215	17.868	35.350	4.50	0.41			20	24.373	36.335	4.55	0.07
3		215	17.826	35.347	4.52	0.43			30	24.079	36.307	4.62	0.07
4		158	19.768	35.671	4.89	0.30			40	22.799	36.174	4.80	0.08
5		158	19.759	35.671	4.91	0.32			50	22.586	36.166	4.82	0.07
6		159	19.744	35.669	4.89	0.30			75	21.992	36.142	4.81	0.10
7		158	19.757	35.671	4.90	0.29			100	21.008	35.925	4.80	0.14
8		80	22.027	36.151	4.81	0.10			125	20.466	35.815	4.83	0.18
9		80	21.998	36.144	4.82	0.11			150	19.908	35.707	4.88	0.28
10	80	80	22.015	36.142	4.81	0.10			175	19.407	35.626	4.71	0.64
11	42	42	23.412	36.245	4.71	0.08			200	18.601	35.485	4.53	0.53
12		42	23.435	36.249	4.71	0.07			250	16.468	35.143	4.40	0.14
13	42	42	23.453	36.252	4.70	0.08			252	16.383	35.135	4.41	0.12
14		13	24.389	36.334	4.55	0.06							
15		216	17.884	35.353	4.51	0.44							
16		216	17.905	35.358	4.51	0.41							
17		159	19.767	35.674	4.91	0.30							
18		157	19.785	35.678	4.90	0.31							
19		80	22.009	36.141	4.82	0.10							
20		81	22.012	36.137	4.81	0.10							
21	41	42	23.510	36.258	4.70	0.08							
22	41	42	23.501	36.257	4.68	0.07							
23		13	24.389	36.333	4.55	0.07							
24	13	13	24.387	36.334	4.56	0.07							

Cruise:	KH-11-10		Station:	St.17		Date:	2012/1/11		Latitude:	30	00.09S	Depth:	3563m
Leg:	2		Cast:	C1 (Shallov	w)	Time:	04:53		Longitude:	119	59.85W		
		C7	ΓD Data (B'	ΓL)			Routine An	nalysis Data		СТ	TD Data (LA	AY)	
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	***	***	***	4.94	0.021	5	22.691	35.711	4.75	0.07
1	162	163	16.316	34.983	5.14	0.78		0.217	10	22.697	35.712	4.74	0.07
2		125	17.437	35.147	5.23	0.21	5.50	0.089	20	22.562	35.702	4.76	0.07
3		100	18.162	35.259	5.25	0.15	5.51	0.053	30	22.326	35.684	4.76	0.08
4		75	19.096	35.393	5.16	0.10	5.44	0.033	40	21.817	35.663	4.86	0.08
5		50	20.068	35.546	5.08	0.10	5.36	0.026	50	20.178	35.553	5.07	0.10
6		30	22.227	35.672	4.79	0.08	5.08	0.024	75	19.136	35.407	5.15	0.11
7		20	22.353	35.686	4.76	0.08	5.03	0.021	100	18.202	35.267	5.21	0.15
8		10	22.638	35.707	4.74	0.07	5.01	0.021	125	17.504	35.165	5.22	0.22
9		5	22.648	35.708	4.75	0.07	5.01	0.020	150	16.831	35.058	5.16	0.55
10		163	16.316	34.983	5.14	0.78			175	15.946	34.938	5.02	0.69
11	162	163	16.332	34.985	5.13	0.76			200	15.386	34.886	4.96	0.41
12		100	18.162	35.259	5.25	0.16			200	15.386	34.886	4.96	0.41
13		100	18.147	35.257	5.24	0.16							
14		75	19.108	35.397	5.17	0.12							
15		75	19.100	35.395	5.16	0.11							
16		50	20.035	35.544	5.09	0.09							
17		50	20.036	35.545	5.09	0.09							
18		50	20.040	35.545	5.09	0.09							
19		30	22.241	35.672	4.78	0.08							
20		30	22.238	35.672	4.79	0.08							
21	20	20	22.492	35.694	4.74	0.08							
22	10	10	22.589	35.701	4.75	0.07							
23		10	22.569	35.700	4.75	0.07							
24	5	5	22.684	35.712	4.74	0.07							

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		-
		C7	ΓD Data (B'				Routine Ar	alysis Data			ΓD Data (L <i>l</i>	AY)	
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 Tri	igger								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

Cruise:	KH-11-10		Station:	St.17		Date:	2012/1/11		Latitude:	29	59.65S	Depth:	3609m
Leg:	2		Cast:	C3 (Light I	Depth)	Time:	15:05		Longitude:	120	00.10W		
		C'I	TD Data (B'				Routine An	nalysis Data			TD Data (LA	AY)	
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	22.355	35.599	4.76	0.07
1	167	169	16.150	34.954	5.07	0.74			10	22.351	35.626	4.76	0.07
2	168	169	16.140	34.953	5.08	0.73			20	22.294	35.683	4.77	0.07
3	167	168	16.159	34.956	5.09	0.73			30	22.016	35.717	4.83	0.07
4	112	113	17.597	35.174	5.24	0.25			40	20.839	35.571	4.99	0.09
5	112	113	17.593	35.175	5.20	0.23			50	20.051	35.539	5.08	0.08
6		113	17.599	35.176	5.23	0.24			75	18.817	35.368	5.17	0.11
7	112	113	17.594	35.176	5.24	0.24			100	17.997	35.240	5.22	0.17
8		43	20.503	35.536	5.04	0.08			125	17.203	35.113	5.22	0.29
9	43	43	20.531	35.539	5.04	0.08			150	16.672	35.035	5.13	0.71
10	43	43	20.454	35.543	5.04	0.09			175	16.035	34.946	5.02	0.77
11	43	43	20.455	35.538	5.04	0.08			200	15.372	34.887	4.96	0.40
12	28	28	22.081	35.712	4.80	0.07			200	15.372	34.887	4.96	0.40
13	28	29	22.108	35.712	4.80	0.07							
14	28	28	22.131	35.710	4.80	0.06							
15	28	28	22.121	35.712	4.79	0.07							
16	9	9	22.343	35.663	4.76	0.06							
17	8	8	22.345	35.663	4.76	0.06							
18		9	22.347	35.670	4.76	0.07							
19	9	9	22.354	35.620	4.75	0.06							
20	9	9	22.352	35.619	4.76	0.06							
21	9	9	22.351	35.631	4.75	0.06							
22	8	9	22.354	35.590	4.77	0.06							
23	9	9	22.354	35.598	4.76	0.06							
24	9	9	22.353	35.597	4.76	0.06							

Cruise:	KH-11-10		Station:	St.18		Date:	2012/1/13		Latitude:	29	59.95S	Depth:	3318m
Leg:	2		Cast:	C1 (Incuba	tion)	Time:	10:40		Longitude:	107	00.14W		
		C7	TD Data (B	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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	***	22.1	***	***	***			5	21.760	35.568	4.82	0.08
1	397	400	8.284	34.307	4.78	0.05			10	21.761	35.568	4.82	0.08
2		399	8.281	34.307	4.77	0.05			20	21.750	35.566	4.82	0.08
3		201	15.609	34.886	4.82	0.33			30	21.587	35.560	4.83	0.09
4		154	17.319	35.187	5.06	0.72			40	20.035	35.428	5.08	0.10
5		100	18.664	35.432	5.15	0.17			50	19.674	35.452	5.12	0.10
6		100	18.674	35.435	5.15	0.18			75	19.309	35.503	5.13	0.12
7		50	19.632	35.416	5.12	0.10			100	18.778	35.452	5.14	0.16
8		10	21.757	35.568	4.81	0.08			125	17.907	35.279	5.17	0.34
9		10	21.757	35.568	4.82	0.08			150	17.444	35.213	5.02	0.70
10	11	11	21.760	35.568	4.82	0.08			175	16.735	35.089	4.94	0.58
11	11	11	21.760	35.568	4.81	0.08			200	15.614	34.891	4.82	0.34
12		10	21.759	35.568	4.81	0.08			250	13.786	34.678	4.62	0.13
13	10	10	21.759	35.568	4.80	0.08			300	11.500	34.470	4.67	0.05
14		11	21.763	35.568	4.81	0.08			400	8.286	34.309	4.77	0.05
15		10	21.760	35.568	4.82	0.07			401	8.253	34.307	4.77	0.05
16		10	21.760	35.568	4.81	0.08							
17		399	8.287	34.307	4.77	0.05							
18		199	15.616	34.885	4.85	0.35							
19		199	15.616	34.886	4.86	0.35							
20		155	17.314	35.182	5.06	0.72							
21	99	100	18.680	35.436	5.15	0.18							
22	50	50	19.631	35.416	5.13	0.10							
23		10	21.758	35.568	4.81	0.08							
24	11	11	21.760	35.568	4.81	0.08							

Cruise:	KH-11-10		Station:	St.18		Date:	2012/1/13		Latitude:	29	59.97S	Depth:	3288m
Leg:	2		Cast:	C2 (Shallo	w)	Time:	11:50		Longitude:	107	00.03W		
		C7	TD Data (B'				Routine An	nalysis Data		CT	TD Data (LA	AY)	
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		150	17.583	35.237	5.05	0.71	5.31	0.074	20	21.717	35.563	4.82	0.08
3		125	17.938	35.285	5.16	0.31	5.43	0.032	30	21.056	35.505	4.97	0.09
4		101	18.726	35.441	5.15	0.16	5.43	0.056	40	19.767	35.390	5.13	0.10
5		75	19.121	35.473	5.15	0.13	5.41	0.036	50	19.755	35.512	5.09	0.09
6		50	19.667	35.478	5.13	0.10	5.40	0.027	75	19.111	35.473	5.15	0.13
7		31	20.365	35.434	5.05	0.12	5.33	0.031	100	18.621	35.422	5.14	0.18
8		20	21.736	35.564	4.81	0.09	5.14	0.025	125	17.937	35.286	5.16	0.31
9		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		155	17.487	35.220	5.02	0.66							
13		150	17.595	35.238	5.05	0.66							
14		150	17.619	35.243	5.05	0.67							
15		100	18.724	35.439	5.15	0.16							
16		100	18.726	35.440	5.14	0.16							
17		76	19.111	35.473	5.13	0.14							
18		76	19.110	35.474	5.13	0.13							
19		50	19.669	35.477	5.12	0.10							
20		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	21.738	35.566	4.81	0.08							
24	10	11	21.738	35.566	4.80	0.08							

Cruise:	KH-11-10		Station:	St.18		Date:	2012/1/13		Latitude:	29	59.88S	Depth:	3289m
Leg:	2		Cast:	C3 (Middle	e)	Time:	14:19		Longitude:	107	00.01W		
		CT	TD Data (B	ΓL)			Routine An	alysis Data		СТ	TD Data (LA	AY)	
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	***	22.1	***	***	***			5	21.724	35.564	4.81	0.08
1	991	1000	4.094	34.334	3.77	0.05	4.00		10	21.724	35.563	4.81	0.07
2		750	5.339	34.268	4.89	0.05	5.13		20	21.718	35.562	4.80	0.08
3		500	6.670	34.308	4.67	0.05	4.92		30	21.594	35.559	4.82	0.09
4		400	8.135	34.305	4.78	0.05	5.00		40	20.104	35.428	5.08	0.09
5		300	12.036	34.516	4.65	0.06	4.88	nd	50	19.620	35.412	5.12	0.09
6		250	13.612	34.652	4.63	0.12	4.87	0.013	75	19.248	35.484	5.16	0.12
7		200	15.736	34.897	4.88	0.37		0.040	100	18.796	35.452	5.16	0.17
8		1000	4.093	34.334	3.77	0.05			125	18.079	35.310	5.19	0.29
9		1000	4.094	34.334	3.77	0.05			150	17.637	35.248	5.07	0.61
10	990	999	4.093	34.334	3.77	0.05			175	16.754	35.091	4.95	0.65
11	990	999	4.093	34.334	3.77	0.05			200	15.495	34.847	4.92	0.34
12	743	750	5.339	34.268	4.88	0.05			250	13.719	34.667	4.63	0.13
13	496	500	6.670	34.308	4.67	0.05			300	11.888	34.505	4.66	0.05
14		500	6.671	34.308	4.68	0.05			400	8.166	34.306	4.75	0.05
15		500	6.672	34.308	4.68	0.05			500	6.696	34.309	4.65	0.05
16		500	6.673	34.308	4.68	0.05			600	6.048	34.291	5.06	0.05
17	397	400	8.126	34.305	4.77	0.05			700	5.581	34.272	5.03	0.05
18	297	300	12.003	34.514	4.65	0.06			800	5.084	34.271	4.72	0.05
19	298	300	11.907	34.505	4.66	0.05			900	4.540	34.290	4.31	0.05
20	198	200	15.739	34.898	4.89	0.39			1000	4.102	34.333	3.80	0.05
21	198	200	15.735	34.898	4.89	0.40			1001	4.097	34.334	3.78	0.05
22	199	200	15.742	34.900	4.88	0.38							
23		1000	4.090	34.335	3.77	0.06							
24	744	750	5.338	34.268	4.89	0.05							

Cruise:	KH-11-10		Station:	St.18		Date:	2012/1/13		Latitude:	30	00.04S	Depth:	3343m
Leg:	2		Cast:	C4 (Light I	Depth 1)	Time:	18:00		Longitude:	107	00.28W		
		C7	ΓD Data (B'	ΓL)			Routine An	nalysis Data		СТ	TD Data (LA	AY)	
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		195	15.987	34.946	4.89	0.44			10	21.920	35.566	4.81	0.05
2		195	15.990	34.947	4.88	0.45			20	21.839	35.565	4.82	0.05
3		195	16.007	34.951	4.87	0.49			30	21.599	35.560	4.84	0.06
4		195	16.022	34.954	4.88	0.44			40	20.212	35.511	5.07	0.06
5		195	16.030	34.956	4.86	0.43			50	19.654	35.484	5.11	0.07
6		136	17.669	35.219	5.17	0.41			75	19.074	35.477	5.15	0.10
7		135	17.665	35.220	5.18	0.43			100	18.577	35.407	5.18	0.17
8		135	17.666	35.220	5.19	0.44			125	17.842	35.260	5.18	0.32
9		135	17.668	35.221	5.19	0.43			150	17.425	35.208	5.02	0.68
10		135	17.671	35.221	5.20	0.43			175	16.612	35.061	4.95	0.60
11		59	19.620	35.548	5.09	0.08			200	15.792	34.901	4.91	0.38
12		59	19.613	35.548	5.11	0.08			200	15.792	34.901	4.91	0.38
13		59	19.629	35.550	5.11	0.08							
14		59	19.627	35.549	5.11	0.08							
15		59	19.616	35.548	5.10	0.08							
16		26	21.663	35.561	4.82	0.06							
17		26	21.663	35.561	4.82	0.06							
18		26	21.659	35.561	4.82	0.06							
19		26	21.667	35.561	4.82	0.06							
20		5	21.964	35.566	4.81	0.05							
21	5	5	21.958	35.566	4.80	0.05							
22		5	21.961	35.567	4.80	0.05							
23		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		
		C7	TD Data (B	ΓL)			Routine An	alysis Data		CT	'D Data (LA	AY)	
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 I	Depth 2)	Time:	00:29		Longitude:	106	59.98W		
		C7	ΓD Data (B'	ΓL)			Routine An	nalysis Data		СТ	TD Data (LA	AY)	
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		194	15.871	34.901	4.99	0.42			20	21.780	35.569	4.82	0.07
3		195	15.881	34.904	4.99	0.39			30	21.603	35.561	4.82	0.08
4		195	15.877	34.902	5.00	0.44			40	20.449	35.539	5.04	0.08
5		136	17.798	35.246	5.19	0.39			50	19.665	35.442	5.11	0.09
6		135	17.795	35.245	5.19	0.36			75	19.345	35.531	5.12	0.10
7		135	17.796	35.246	5.19	0.38			100	18.836	35.462	5.14	0.15
8		136	17.781	35.243	5.18	0.38			125	18.019	35.298	5.19	0.28
9		60	19.427	35.475	5.14	0.10			150	17.472	35.183	5.17	0.58
10		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		59	19.438	35.464	5.14	0.11			202	15.570	34.858	4.92	0.36
13		25	21.782	35.564	4.80	0.08							
14		25	21.783	35.567	4.81	0.08							
15		25	21.784	35.567	4.81	0.07							
16		25	21.784	35.568	4.81	0.07							
17		5	22.732	35.575	4.77	0.06							
18		5	22.710	35.575	4.78	0.06							
19		5	22.713	35.576	4.79	0.06							
20		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	22.673	35.576	4.78	0.06							
24	5	5	22.702	35.577	4.77	0.06							

Cruise:	KH-11-10		Station:	St.18		Date:	2012/1/14		Latitude:	30	00.02S	Depth:	3288m
Leg:	2		Cast:	C7 (Light De	pth 3+Flux 1)	Time:	01:26		Longitude:	106	59.98W		
		C7	TD Data (B	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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	***	22.7	***	***	***			5	22.623	35.571	4.80	0.06
1	199	200	15.570	34.886	4.76	0.36			10	22.487	35.582	4.79	0.06
2		200	15.570	34.878	4.80	0.36			20	21.803	35.570	4.82	0.07
3		200	15.578	34.873	4.87	0.38			30	21.635	35.564	4.82	0.08
4		201	15.569	34.863	4.89	0.38			40	20.325	35.488	5.07	0.09
5	149	150	17.438	35.190	5.01	0.74			50	19.667	35.447	5.12	0.10
6		150	17.416	35.195	5.13	0.74			75	19.275	35.521	5.14	0.11
7		150	17.431	35.190	5.11	0.69			100	18.816	35.459	5.15	0.17
8		151	17.479	35.206	5.10	0.73			125	17.974	35.287	5.18	0.30
9		50	19.604	35.461	5.13	0.10			150	17.446	35.184	5.14	0.60
10		50	19.616	35.457	5.12	0.10			175	16.725	35.080	4.97	0.65
11	50	50	19.636	35.460	5.14	0.10			200	15.661	34.874	4.96	0.37
12		50	19.637	35.459	5.12	0.11			210	15.467	34.871	4.74	0.34
13		5	22.520	35.572	4.79	0.07							
14		25	21.722	35.564	4.82	0.08							
15	58	59	19.423	35.508	5.13	0.11							
16		135	17.685	35.221	5.20	0.49							
17		195	15.673	34.869	4.98	0.41							
18		50	19.619	35.457	5.12	0.10							
19		25	21.731	35.566	4.83	0.08							
20		10	22.200	35.570	4.80	0.07							
21	5	5	22.375	35.574	4.79	0.07							
22	150	151	17.436	35.193	5.12	0.75							
23		50	19.601	35.455	5.11	0.10							
24	59	60	19.415	35.495	5.13	0.10							

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		
		C7	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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	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	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	21.854	35.569	4.80	0.08							
15	10	10	21.854	35.569	4.80	0.08							
16		10	21.851	35.569	4.81	0.08							
17	10	10	21.848	35.569	4.81	0.08							
18		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	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		
		C'I	TD Data (B'				Routine An	nalysis Data			'D Data (LA	AY)	
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	19.967	35.539	5.09	0.09			20	21.787	35.567	4.81	0.08
3		50	19.950	35.540	5.08	0.09			30	21.690	35.561	4.83	0.09
4		50	19.948	35.541	5.08	0.09			40	20.427	35.485	5.06	0.10
5		50	19.889	35.538	5.08	0.09			50	19.869	35.473	5.10	0.10
6		50	19.878	35.536	5.09	0.09			51	19.895	35.476	5.10	0.11
7		25	21.625	35.557	4.82	0.09							
8		25	21.666	35.559	4.82	0.09							
9		25	21.668	35.561	4.83	0.09							
10		25	21.726	35.563	4.81	0.09							
11	25	25	21.721	35.563	4.81	0.09							
12		25	21.720	35.563	4.82	0.09							
13		11	21.806	35.567	4.80	0.08							
14		10	21.814	35.567	4.80	0.08							
15		10	21.807	35.568	4.81	0.08							
16		10	21.807	35.568	4.81	0.08							
17		10	21.897	35.565	4.81	0.08							
18		10	21.858	35.565	4.81	0.08							
19		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	21.963	35.566	4.80	0.08							
24	5	5	21.944	35.567	4.81	0.08							

Cruise:	KH-11-10		Station:	St.18		Date:	2012/1/14		Latitude:	30	00.98S	Depth:	3418m
Leg:	2		Cast:	C10 (Flux 4	4)	Time:	11:04		Longitude:	107	00.73W		
		C7	TD Data (B'				Routine An	nalysis Data			TD Data (LA	AY)	
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	***	22.1	***	***	***			5	22.031	35.534	4.81	0.08
1	49	49	19.795	35.555	5.08	0.10			10	21.700	35.516	4.82	0.09
2		50	19.795	35.559	5.11	0.09			20	21.697	35.528	4.82	0.09
3		51	19.796	35.560	5.10	0.09			30	21.543	35.546	4.84	0.09
4		51	19.805	35.572	5.08	0.10			40	20.069	35.469	5.08	0.09
5		50	19.794	35.556	5.08	0.09			50	19.819	35.553	5.08	0.10
6		51	19.800	35.565	5.08	0.09			51	19.811	35.547	5.08	0.09
7		25	21.618	35.550	4.84	0.09							
8		24	21.628	35.549	4.82	0.09							
9		25	21.635	35.549	4.83	0.09							
10		26	21.611	35.551	4.83	0.09							
11	24	24	21.646	35.551	4.83	0.08							
12		26	21.617	35.551	4.83	0.08							
13		10	21.737	35.515	4.81	0.09							
14		10	21.731	35.515	4.82	0.08							
15		9	21.851	35.523	4.81	0.09							
16		10	21.766	35.518	4.82	0.08							
17		10	21.844	35.522	4.80	0.08							
18		10	21.867	35.522	4.82	0.08							
19		4	22.012	35.534	4.80	0.08							
20		5	22.008	35.534	4.81	0.08							
21	5	5	22.004	35.534	4.81	0.09							
22		6	22.018	35.534	4.80	0.08							
23		5	22.004	35.533	4.81	0.08							
24	5	5	22.008	35.533	4.80	0.08							

Cruise:	KH-11-10		Station:	St.18		Date:	2012/1/14		Latitude:	30	00.02S	Depth:	3289m
Leg:	2		Cast:	C11 (Metal	&Gas)	Time:	21:33		Longitude:	107	00.01W		
		CT	TD Data (B	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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	22.002	35.572	4.79	0.06
1	1238	1250	3.397	34.490	2.72	0.06			10	21.858	35.569	4.81	0.06
2	991	1000	4.033	34.343	3.69	0.05			20	21.799	35.567	4.82	0.06
3		900	4.496	34.292	4.28	0.05			30	21.503	35.547	4.85	0.06
4	744	750	5.289	34.267	4.88	0.05			40	20.297	35.481	5.07	0.06
5	596	601	6.032	34.289	5.08	0.05			50	19.915	35.525	5.09	0.07
6		500	6.630	34.307	4.72	0.05			75	19.226	35.511	5.15	0.09
7	397	400	8.298	34.306	4.72	0.05			100	18.746	35.438	5.18	0.14
8	297	299	11.527	34.471	4.68	0.05			125	17.916	35.276	5.19	0.29
9	298	300	11.617	34.476	4.69	0.05			150	17.378	35.168	5.18	0.55
10	160	161	17.166	35.163	4.98	0.75			175	16.778	35.091	4.98	0.67
11	248	249	13.622	34.656	4.62	0.11			200	15.559	34.837	5.02	0.39
12	197	199	15.583	34.843	5.04	0.40			250	13.740	34.673	4.62	0.13
13	199	200	15.602	34.844	5.03	0.40			300	11.567	34.472	4.69	0.05
14	148	149	17.366	35.162	5.17	0.68			400	8.227	34.307	4.71	0.05
15	124	125	17.772	35.245	5.19	0.35			500	6.717	34.308	4.67	0.05
16	98	99	18.606	35.408	5.19	0.18			600	6.049	34.291	5.07	0.05
17	100	101	18.617	35.411	5.18	0.18			700	5.554	34.272	5.01	0.05
18	75	75	19.154	35.493	5.16	0.11			800	5.098	34.272	4.70	0.05
19	50	50	19.588	35.480	5.14	0.08			900	4.520	34.291	4.31	0.05
20	50	50	19.592	35.482	5.13	0.08			1000	4.054	34.340	3.73	0.05
21	30	30	21.356	35.527	4.88	0.08			1200	3.533	34.466	2.79	0.06
22	19	19	21.720	35.564	4.83	0.06			1301	3.312	34.504	2.68	0.06
23	9	9	21.900	35.570	4.81	0.06							
24	5	5	22.043	35.574	4.80	0.06							

Cruise:	KH-11-10		Station:	St.19		Date:	2012/1/16		Latitude:	29	59.99S	Depth:	3616m
Leg:	2		Cast:	C1 (Light I	Depth)	Time:	00:19		Longitude:	100	00.14W		
		Cl	TD Data (B	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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	***	22.1	***	***	***			5	21.855	35.307	4.82	0.12
1	170	172	16.372	34.996	4.87	0.47			10	21.691	35.309	4.84	0.11
2		171	16.381	34.999	4.87	0.52			20	21.483	35.296	4.86	0.11
3		171	16.337	34.992	4.88	0.50			30	21.403	35.335	4.90	0.11
4		111	17.966	35.248	5.19	0.44			40	19.467	35.160	5.24	0.13
5		111	17.947	35.251	5.19	0.38			50	18.970	35.193	5.28	0.13
6		111	17.960	35.254	5.18	0.36			75	18.950	35.440	5.17	0.13
7		110	17.960	35.254	5.17	0.35			100	18.265	35.324	5.19	0.22
8		47	18.964	35.287	5.25	0.13			125	17.471	35.135	5.19	0.77
9		47	18.951	35.241	5.25	0.13			150	17.142	35.104	5.07	0.73
10		47	18.951	35.227	5.27	0.13			175	16.033	34.940	4.83	0.47
11	46	47	18.953	35.222	5.26	0.13			200	14.352	34.646	4.83	0.27
12		14	21.665	35.307	4.85	0.12			200	14.352	34.646	4.83	0.27
13		14	21.656	35.310	4.82	0.11							
14		14	21.655	35.311	4.83	0.11							
15		14	21.668	35.310	4.83	0.12							
16		6	21.977	35.310	4.83	0.11							
17		6	22.090	35.310	4.83	0.11							
18		6	22.073	35.311	4.83	0.11							
19		6	22.053	35.310	4.82	0.11							
20	6	6	22.045	35.310	4.81	0.11							
21	6	6	22.050	35.311	4.80	0.11							
22	6	6	22.072	35.312	4.82	0.11							
23		6	22.058	35.313	4.81	0.11							
24	6	6	22.211	35.314	4.82	0.11							

Cruise:	KH-11-10		Station:	St.19		Date:	2012/1/16		Latitude:	29	59.97S	Depth:	3597m
Leg:	2		Cast:	C2 (Shallov	v)	Time:	01:20		Longitude:	100	00.01W		
		C7	TD Data (B'				Routine An	nalysis Data		CT	'D Data (L <i>A</i>	AY)	
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	***	22.4	***	***	***	5.05	0.033	5	21.956	35.314	4.82	0.12
1	126	127	17.421	35.121	5.17	0.88		0.220	10	21.612	35.307	4.85	0.13
2		126	17.443	35.128	5.18	0.85	5.44	0.204	20	21.590	35.368	4.84	0.12
3		100	18.278	35.328	5.17	0.24	5.44	0.077	30	20.654	35.190	5.08	0.14
4		75	18.663	35.358	5.21	0.15	5.47	0.051	40	20.055	35.378	5.12	0.13
5		50	19.006	35.274	5.24	0.14	5.51	0.041	50	19.130	35.237	5.25	0.12
6		30	19.911	35.081	5.16	0.16	5.46	0.045	75	18.957	35.443	5.17	0.14
7		20	21.551	35.351	4.84	0.12	5.13	0.034	100	18.297	35.338	5.18	0.21
8		10	21.697	35.309	4.84	0.13	5.10	0.035	125	17.379	35.112	5.17	0.91
9		5	22.073	35.311	4.82	0.14	5.08	0.034	150	17.033	35.087	5.06	0.69
10		127	17.425	35.122	5.18	0.89			175	16.161	34.966	4.84	0.44
11	126	127	17.419	35.121	5.17	0.91			200	14.442	34.663	4.80	0.22
12		99	18.266	35.327	5.18	0.23			201	14.380	34.650	4.83	0.24
13		99	18.275	35.329	5.18	0.22							
14		99	18.271	35.329	5.18	0.24							
15		76	18.453	35.302	5.22	0.17							
16		76	18.640	35.353	5.20	0.16							
17		50	19.060	35.284	5.25	0.13							
18		50	18.988	35.266	5.26	0.14							
19		30	20.031	35.120	5.15	0.16							
20		30	20.142	35.132	5.14	0.15							
21	20	20	21.545	35.344	4.84	0.13							
22	11	11	21.696	35.309	4.84	0.14							
23		10	21.699	35.309	4.84	0.14							
24	5	5	22.052	35.311	4.82	0.14							

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		
		CT	TD Data (B	ΓL)			Routine An	alysis Data		CT	'D Data (LA	AY)	
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

Cruise:	KH-11-10		Station:	St.20		Date:	2012/1/16		Latitude:	26	29.93S	Depth:	3576m
Leg:	2		Cast:	C1 (Light I	Depth)	Time:	20:21		Longitude:	100	00.00W		
		C7	TD Data (B'				Routine An	nalysis Data			'D Data (L <i>A</i>	AY)	
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	***	24.2	***	***	***			5	23.625	35.943	4.64	0.06
1	203	204	17.112	35.143	4.74	0.32			10	23.629	35.943	4.63	0.05
2		206	17.139	35.147	4.74	0.33			20	23.442	35.939	4.65	0.06
3		205	17.168	35.155	4.72	0.31			30	23.292	35.929	4.66	0.06
4		146	18.707	35.479	4.96	0.33			40	22.617	35.821	4.85	0.06
5	146	147	18.716	35.481	4.95	0.59			50	20.722	35.523	5.08	0.06
6		146	18.721	35.482	4.96	0.31			75	19.601	35.475	5.18	0.08
7		147	18.712	35.481	4.95	0.32			100	19.326	35.548	5.10	0.12
8		71	19.735	35.485	5.16	0.08			125	18.716	35.428	5.07	0.19
9		70	19.749	35.487	5.15	0.07			150	18.693	35.476	4.95	0.36
10		70	19.751	35.488	5.16	0.07			175	18.380	35.419	4.87	0.68
11	26	26	23.319	35.929	4.66	0.06			200	17.545	35.236	4.74	0.38
12		27	23.348	35.931	4.66	0.06			211	16.942	35.110	4.74	0.29
13		26	23.346	35.932	4.64	0.06							
14		5	23.663	35.942	4.66	0.05							
15		5	23.659	35.942	4.64	0.05							
16		5	23.676	35.943	4.65	0.05							
17		5	23.654	35.943	4.64	0.05							
18		5	23.656	35.943	4.64	0.05							
19		5	23.650	35.942	4.65	0.05							
20		5	23.650	35.943	4.64	0.05							
21	5	5	23.651	35.943	4.64	0.05							
22	26	26	23.350	35.932	4.66	0.06							
23		205	17.174	35.157	4.74	0.31							
24	145	146	18.713	35.481	4.94	0.32							

Cruise:	KH-11-10		Station:	St.20		Date:	2012/1/16		Latitude:	26	29.88S	Depth:	3548m
Leg:	2		Cast:	C2 (Shallov	w)	Time:	21:23		Longitude:	99	59.89W		
		C7	TD Data (B'	ΓL)			Routine Ar	nalysis Data		CT	'D Data (LA	AY)	
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		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	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		
		Cl	TD Data (B	ΓL)			Routine An	alysis Data		CT	'D Data (LA	AY)	
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		
		CT	TD Data (B	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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		501	6.766	34.321	4.07	0.05			20	23.328	35.931	4.66	0.08
3		400	8.525	34.327	3.48	0.05			30	23.185	35.908	4.68	0.08
4		300	11.753	34.383	4.41	0.05			40	21.169	35.593	5.03	0.09
5		200	17.665	35.261	4.77	0.41			50	20.478	35.583	5.10	0.09
6		200	17.654	35.262	4.77	0.42			75	19.581	35.546	5.13	0.12
7		200	17.680	35.265	4.77	0.42			100	19.163	35.511	5.10	0.16
8		149	18.743	35.502	4.91	0.45			125	18.741	35.461	5.02	0.21
9		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		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	23.385	35.935	4.67	0.08			400	8.512	34.330	3.50	0.05
15		20	23.385	35.935	4.67	0.08			500	6.778	34.321	4.07	0.05
16		5	23.650	35.941	4.64	0.07			500	6.778	34.321	4.07	0.05
17		500	6.774	34.321	4.07	0.05							
18		401	8.516	34.328	3.48	0.05							
19		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	20.592	35.642	5.08	0.09							
24	19	19	23.370	35.935	4.66	0.08							

Cruise:	KH-11-10		Station:	St.21		Date:	2012/1/17		Latitude:	22	51.91S	Depth:	4152m
Leg:	2		Cast:	C1 (Incuba	tion)	Time:	19:23		Longitude:	99	59.93W		
		C7	TD Data (B'				Routine An	nalysis Data			'D Data (LA	AY)	
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	24.176	35.878	4.60	0.05
1	199	200	17.851	35.286	4.79	0.26			10	24.150	35.877	4.61	0.05
2		170	18.925	35.531	4.82	0.67			20	23.770	35.851	4.63	0.05
3		101	19.789	35.659	5.04	0.13			30	23.583	35.872	4.67	0.06
4		101	19.790	35.663	5.03	0.14			40	22.043	35.797	4.93	0.06
5	49	49	21.030	35.731	5.03	0.07			50	21.145	35.745	5.02	0.06
6		10	24.066	35.868	4.61	0.05			75	20.449	35.717	5.06	0.08
7		11	24.085	35.870	4.62	0.05			100	19.823	35.656	5.05	0.13
8		10	24.087	35.870	4.60	0.05			125	19.339	35.596	5.00	0.20
9		10	24.102	35.871	4.61	0.05			150	19.134	35.571	4.93	0.31
10		10	24.112	35.871	4.60	0.05			175	18.830	35.511	4.81	0.64
11	10	10	24.102	35.871	4.61	0.05			200	17.872	35.292	4.79	0.30
12		10	24.099	35.871	4.61	0.05			201	17.830	35.283	4.77	0.29
13		200	17.823	35.281	4.79	0.28							
14		170	18.932	35.534	4.84	0.69							
15		100	19.785	35.658	5.03	0.14							
16		101	19.733	35.655	5.03	0.14							
17		50	21.027	35.733	5.02	0.07							
18		10	24.100	35.871	4.62	0.05							
19		10	24.102	35.871	4.60	0.05							
20		10	24.083	35.870	4.61	0.05							
21	10	10	24.080	35.870	4.62	0.05							
22	10	10	24.101	35.871	4.62	0.05							
23		10	24.093	35.870	4.60	0.05							
24	11	11	24.086	35.870	4.61	0.05							

Cruise:	KH-11-10		Station:	St.21		Date:	2012/1/17		Latitude:	22	59.97S	Depth:	4150m
Leg:	2		Cast:	C2 (Shallov	w)	Time:	20:30		Longitude:	99	59.93W		•
		C7	TD Data (B	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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		150	19.038	35.553	4.91	0.40	5.18	0.122	20	23.669	35.846	4.64	0.06
3		125	19.205	35.579	4.95	0.28	5.24	0.100	30	23.321	35.867	4.72	0.06
4		100	19.578	35.629	5.02	0.17	5.30	0.064	40	21.541	35.752	4.99	0.07
5		75	20.277	35.708	5.05	0.09	5.30	0.037	50	20.993	35.748	5.02	0.07
6		49	20.888	35.732	5.04	0.07	5.31	0.027	75	20.187	35.695	5.06	0.09
7		29	23.467	35.874	4.69	0.06	5.00	0.025	100	19.590	35.631	5.03	0.15
8		21	23.754	35.872	4.64	0.06	4.89	0.033	125	19.259	35.589	4.96	0.25
9		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		165	18.910	35.528	4.84	0.68			201	17.875	35.291	4.80	0.31
13		150	19.041	35.553	4.91	0.40							
14		150	19.041	35.553	4.92	0.42							
15		101	19.627	35.636	5.03	0.15							
16		100	19.628	35.636	5.02	0.16							
17		75	20.169	35.695	5.06	0.10							
18		75	20.272	35.709	5.06	0.10							
19		49	21.024	35.739	5.02	0.07							
20		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	24.027	35.867	4.62	0.06							
24	10	10	24.029	35.868	4.61	0.06							

Cruise:	KH-11-10		Station:	St.21		Date:	2012/1/17		Latitude:	23	00.03S	Depth:	4149m
Leg:	2		Cast:	C3 (Light I	Depth 3)	Time:	22:12		Longitude:	100	00.07W		
		C7	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	TD Data (LA	AY)	
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	24.283	35.887	4.61	0.06
1	199	201	18.137	35.348	4.84	0.41			10	24.055	35.874	4.62	0.06
2		201	18.153	35.351	4.84	0.42			20	23.839	35.887	4.64	0.06
3		201	18.157	35.352	4.84	0.42			30	23.777	35.895	4.64	0.06
4		200	18.155	35.352	4.84	0.42			40	22.906	35.861	4.81	0.07
5	159	160	19.052	35.556	4.91	0.48			50	21.421	35.748	5.00	0.07
6		160	19.049	35.556	4.91	0.53			75	20.546	35.716	5.06	0.08
7		160	19.052	35.556	4.91	0.47			100	19.702	35.637	5.05	0.14
8		161	19.046	35.556	4.90	0.50			125	19.331	35.595	5.00	0.21
9		50	21.171	35.743	5.02	0.07			150	19.109	35.569	4.91	0.36
10		50	21.224	35.739	5.01	0.07			175	18.799	35.504	4.84	0.65
11	50	50	21.225	35.740	5.00	0.07			200	18.038	35.326	4.85	0.38
12		50	21.222	35.740	5.01	0.07			206	17.916	35.299	4.82	0.34
13		6	24.172	35.881	4.62	0.06							
14		29	23.552	35.881	4.66	0.06							
15		72	20.508	35.732	5.04	0.09							
16		144	19.133	35.565	4.96	0.30							
17		204	18.025	35.323	4.84	0.38							
18		6	24.187	35.884	4.61	0.06							
19		29	23.738	35.890	4.64	0.06							
20		72	20.520	35.736	5.05	0.09							
21	143	144	19.132	35.565	4.96	0.31							
22	203	204	18.020	35.322	4.85	0.37							
23		50	21.226	35.740	5.00	0.12							
24	5	5	24.169	35.886	4.61	0.06							

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		
		C7	TD Data (B				Routine An	nalysis Data			'D Data (LA	AY)	
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	21.095	35.734	5.01	0.09			20	23.782	35.903	4.65	0.07
3		51	21.148	35.744	5.01	0.10			30	23.635	35.890	4.66	0.08
4		51	21.118	35.739	5.02	0.09			40	21.709	35.764	4.97	0.08
5		50	21.146	35.743	5.02	0.09			50	21.223	35.761	5.00	0.08
6		50	21.126	35.740	5.00	0.09			51	21.145	35.746	5.04	0.08
7		25	23.743	35.893	4.65	0.09							
8		25	23.667	35.897	4.65	0.09							
9		26	23.698	35.896	4.65	0.08							
10		26	23.749	35.899	4.65	0.08							
11	25	25	23.701	35.898	4.65	0.08							
12		25	23.749	35.900	4.64	0.08							
13		11	23.906	35.887	4.62	0.07							
14		10	23.863	35.895	4.62	0.07							
15		11	23.887	35.891	4.62	0.07							
16		10	23.939	35.886	4.63	0.08							
17		11	23.941	35.887	4.62	0.07							
18		10	23.944	35.889	4.62	0.07							
19		5	24.154	35.891	4.61	0.08							
20		5	24.317	35.883	4.59	0.07							
21	6	6	24.310	35.883	4.60	0.07							
22		6	24.295	35.884	4.61	0.07							
23		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		
		C7	TD Data (B	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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	21.187	35.739	5.01	0.09			20	23.757	35.900	4.64	0.08
3		50	21.151	35.735	5.02	0.09			30	23.274	35.873	4.73	0.08
4		51	21.122	35.732	5.01	0.09			40	21.805	35.801	4.95	0.09
5		51	21.135	35.733	5.02	0.08			50	21.210	35.743	5.00	0.09
6		50	21.153	35.735	5.02	0.09			50	21.210	35.743	5.00	0.09
7		25	23.290	35.869	4.69	0.09							
8		25	23.335	35.873	4.69	0.09							
9		25	23.537	35.864	4.69	0.09							
10		25	23.326	35.877	4.67	0.09							
11	25	25	23.383	35.879	4.67	0.09							
12		25	23.448	35.880	4.68	0.09							
13		10	23.808	35.904	4.63	0.08							
14		10	23.831	35.904	4.63	0.08							
15		10	23.871	35.904	4.62	0.08							
16		10	23.872	35.905	4.63	0.08							
17		10	23.849	35.906	4.62	0.08							
18		10	23.854	35.905	4.63	0.08							
19		5	24.198	35.894	4.60	0.08							
20		5	24.200	35.895	4.60	0.12							
21	5	5	24.188	35.896	4.61	0.07							
22		5	24.181	35.896	4.60	0.08							
23		5	24.187	35.896	4.60	0.08							
24	5	5	24.193	35.896	4.59	0.08							

Cruise:	KH-11-10		Station:	St.21		Date:	2012/1/18		Latitude:	22	59.38S	Depth:	4064m
Leg:	2		Cast:	C6 (Flux 3))	Time:	07:02		Longitude:	100	02.99W		
		C7	TD Data (B'				Routine An	nalysis Data			'D Data (LA	AY)	
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	***	***	***			2	23.925	35.907	4.62	0.07
1	50	51	20.931	35.717	5.03	0.09			5	24.314	35.894	4.60	0.07
2	50	50	20.941	35.718	5.04	0.10			10	23.879	35.905	4.63	0.08
3	51	51	20.935	35.717	5.03	0.09			20	23.720	35.897	4.64	0.08
4	51	51	20.935	35.717	5.03	0.09			30	22.589	35.842	4.85	0.09
5	51	51	20.943	35.718	5.02	0.09			40	21.387	35.745	5.00	0.09
6		51	20.936	35.718	5.02	0.09			50	20.938	35.719	5.02	0.09
7	24	24	23.339	35.880	4.69	0.08			52	20.903	35.716	5.05	0.11
8		25	23.437	35.880	4.69	0.08							
9	24	25	23.493	35.882	4.69	0.09							
10	25	25	23.470	35.881	4.69	0.09							
11	24	25	23.493	35.882	4.68	0.08							
12	24	25	23.515	35.884	4.67	0.08							
13	10	10	24.499	35.886	4.59	0.07							
14	10	10	24.486	35.889	4.59	0.07							
15	10	10	24.478	35.890	4.59	0.07							
16		9	24.476	35.890	4.59	0.07							
17	10	10	24.460	35.890	4.59	0.07							
18	10	10	24.463	35.890	4.60	0.07							
19	5	5	24.506	35.889	4.58	0.07							
20	5	5	24.504	35.889	4.59	0.07							
21	5	5	24.539	35.889	4.59	0.07							
22	5	5	24.539	35.890	4.58	0.07							
23	5	5	24.550	35.890	4.58	0.07							
24	5	5	24.547	35.889	4.57	0.07							

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		
		C7	TD Data (B	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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	21.474	35.743	4.98	0.09			20	23.789	35.901	4.64	0.07
3		49	21.466	35.743	4.98	0.09			30	23.457	35.881	4.71	0.07
4		49	21.472	35.744	4.97	0.08			40	21.895	35.773	4.95	0.09
5		50	21.448	35.743	4.98	0.08			50	21.337	35.740	5.00	0.08
6		49	21.487	35.744	4.97	0.08			51	21.312	35.739	4.99	0.08
7		25	23.782	35.898	4.63	0.07							
8		25	23.717	35.897	4.62	0.08							
9		25	23.714	35.896	4.64	0.08							
10		25	23.710	35.898	4.63	0.08							
11	25	25	23.763	35.898	4.63	0.08							
12		25	23.746	35.898	4.65	0.08							
13		10	24.451	35.883	4.59	0.07							
14		10	24.438	35.884	4.57	0.08							
15		10	24.446	35.885	4.57	0.08							
16		10	24.452	35.885	4.59	0.08							
17		10	24.451	35.885	4.58	0.07							
18		10	24.451	35.885	4.57	0.07							
19		5	24.447	35.885	4.59	0.07							
20		5	24.446	35.885	4.59	0.07							
21	5	5	24.447	35.885	4.58	0.07							
22		5	24.442	35.885	4.59	0.07							
23		5	24.447	35.885	4.59	0.07							
24	5	5	24.444	35.885	4.58	0.08							

Cruise:	KH-11-10		Station:	St.21		Date:	2012/1/18		Latitude:	22	59.97S	Depth:	4150m
Leg:	2		Cast:	C8 (Light I	Depth 1)	Time:	13:53		Longitude:	99	59.90W		
		C7	ΓD Data (B'	ΓL)			Routine An	nalysis Data		CT	'D Data (LA	AY)	
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	24.080	35.845	4.61	0.07
1	204	205	18.028	35.337	4.74	0.41			10	23.983	35.847	4.62	0.07
2		205	18.222	35.366	4.85	0.47			20	23.756	35.849	4.64	0.07
3		205	18.193	35.364	4.81	0.47			30	23.541	35.853	4.68	0.08
4		205	18.203	35.366	4.82	0.46			40	22.215	35.781	4.92	0.08
5		205	18.224	35.367	4.85	0.49			50	21.217	35.739	5.01	0.08
6		145	19.272	35.592	4.95	0.27			75	20.420	35.695	5.05	0.10
7		145	19.273	35.593	4.95	0.25			100	20.008	35.698	5.04	0.14
8		145	19.270	35.592	4.95	0.26			125	19.548	35.627	5.00	0.18
9		145	19.270	35.593	4.95	0.26			150	19.218	35.586	4.93	0.24
10		145	19.256	35.590	4.95	0.27			175	18.973	35.538	4.91	0.46
11	71	72	20.527	35.722	5.04	0.11			200	18.508	35.434	4.86	0.57
12		72	20.569	35.727	5.03	0.11			250	15.807	34.920	4.52	0.13
13		72	20.577	35.728	5.05	0.10			251	15.791	34.915	4.55	0.13
14		72	20.582	35.729	5.04	0.10							
15		72	20.586	35.730	5.04	0.11							
16		29	23.654	35.843	4.65	0.08							
17		29	23.654	35.844	4.64	0.08							
18		29	23.664	35.843	4.65	0.08							
19		29	23.660	35.844	4.64	0.08							
20	6	6	23.890	35.849	4.62	0.07							
21	7	7	24.025	35.839	4.60	0.07							
22	7	7	24.081	35.837	4.60	0.07							
23		205	18.214	35.368	4.85	0.45							
24	71	72	20.595	35.729	5.04	0.11							

Cruise:	KH-11-10		Station:	St.21		Date:	2012/1/18		Latitude:	23	00.02S	Depth:	4149m
Leg:	2		Cast:	C9 (Middle	e)	Time:	15:40		Longitude:	100	00.00W		
		C7	TD Data (B	ΓL)			Routine An	alysis Data		СТ	TD Data (LA	AY)	
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	24.408	35.852	4.58	0.06
1	992	1000	4.091	34.483	2.54	0.05	2.70		10	24.230	35.842	4.61	0.06
2		750	5.113	34.387	2.74	0.06	2.85		20	23.828	35.852	4.64	0.07
3		500	7.127	34.399	2.61	0.06	2.88		30	23.663	35.849	4.63	0.07
4		400	8.884	34.425	2.28	0.06	2.19		40	22.136	35.788	4.93	0.08
5		300	12.151	34.438	4.00	0.05	4.05	nd	50	20.984	35.728	5.02	0.08
6		250	15.684	34.887	4.51	0.12	4.72	0.028	75	20.298	35.719	5.05	0.12
7		200	18.142	35.348	4.85	0.44	5.05	0.128	100	19.851	35.678	5.02	0.15
8		1000	4.092	34.483	2.54	0.05			125	19.332	35.599	4.97	0.21
9		1000	4.091	34.483	2.54	0.05			150	19.123	35.573	4.89	0.34
10	992	1000	4.092	34.483	2.55	0.05			175	18.893	35.526	4.83	0.60
11	992	1001	4.092	34.483	2.54	0.05			200	18.089	35.335	4.85	0.41
12		1001	4.093	34.483	2.54	0.05			250	15.729	34.902	4.53	0.12
13	992	1001	4.093	34.483	2.54	0.06			300	12.450	34.471	4.09	0.05
14		1001	4.093	34.483	2.54	0.05			400	8.885	34.423	2.25	0.05
15		750	5.114	34.387	2.74	0.06			500	7.122	34.400	2.63	0.05
16	496	500	7.160	34.400	2.61	0.06			600	6.053	34.361	3.24	0.05
17	496	500	7.157	34.400	2.62	0.06			700	5.419	34.372	2.98	0.05
18		500	7.153	34.400	2.62	0.06			800	4.829	34.409	2.56	0.05
19		500	7.155	34.400	2.62	0.06			900	4.374	34.443	2.51	0.05
20	397	400	8.885	34.427	2.18	0.06			1000	4.089	34.483	2.54	0.05
21	298	300	12.132	34.438	3.97	0.05			1000	4.089	34.483	2.54	0.05
22	297	300	12.182	34.443	3.99	0.05							
23		200	18.153	35.351	4.85	0.43							
24	199	200	18.159	35.353	4.86	0.45							

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		
		C7	TD Data (B	ΓL)			Routine An	alysis Data		CT	TD Data (LA	AY)	
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		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

Cruise:	KH-11-10		Station:	St.21		Date:	2012/1/18		Latitude:	22	59.95S	Depth:	4151m	
Leg:	2		Cast:	C11 (Light	Depth 2)	Time:	23:57		Longitude:	99	59.98W			
		C7	ΓD Data (B'	ΓL)			Routine An	nalysis Data						
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	***	25.0	***	***	***			5	25.093	35.880	4.57	0.06	
1	202	204	17.672	35.267	4.64	0.31			10	24.151	35.850	4.63	0.07	
2	203	204	17.676	35.269	4.66	0.31			20	23.758	35.841	4.64	0.07	
3		204	17.679	35.270	4.64	0.31			30	23.436	35.856	4.72	0.08	
4	203	205	17.683	35.270	4.65	0.33			40	21.825	35.759	4.99	0.08	
5	144	145	19.119	35.564	4.90	0.41			50	20.969	35.696	5.06	0.08	
6		145	19.118	35.564	4.91	0.42			75	20.430	35.725	5.04	0.10	
7	144	145	19.120	35.565	4.90	0.42			100	19.809	35.679	5.01	0.14	
8	144	145	19.118	35.565	4.90	0.45			125	19.361	35.618	4.92	0.25	
9	71	72	20.529	35.722	5.04	0.10			150	19.022	35.543	4.89	0.62	
10	71	72	20.526	35.722	5.04	0.11			175	18.774	35.487	4.81	0.60	
11	72	72	20.520	35.723	5.04	0.10			200	17.890	35.314	4.69	0.35	
12	71	72	20.521	35.723	5.05	0.10			250	15.809	34.915	4.52	0.13	
13	29	29	23.645	35.836	4.64	0.07			250	15.809	34.915	4.52	0.13	
14	29	29	23.581	35.840	4.66	0.08								
15	29	29	23.651	35.839	4.66	0.07								
16	29	29	23.649	35.840	4.66	0.07								
17	5	6	25.270	35.883	4.56	0.07								
18	6	6	25.183	35.883	4.57	0.07								
19	6	6	25.047	35.880	4.57	0.07								
20	5	5	24.988	35.879	4.57	0.07								
21	6	6	25.044	35.881	4.58	0.07								
22	6	6	24.680	35.874	4.59	0.07								
23	6	6	24.765	35.875	4.57	0.07								
24	6	6	25.194	35.880	4.57	0.07								

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		
		CT	TD Data (B	ΓL)			Routine An	alysis Data					
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		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 (Shallov	w)	Time:	11:30		Longitude:	100	00.09W		
		C7	TD Data (B	ΓL)			Routine Ar	nalysis Data		CT	TD Data (LA	AY)	
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		149	19.679	35.716	4.79	0.79	5.06	0.219	20	24.349	35.934	4.63	0.53
3		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		75	20.905	35.838	5.01	0.17	5.26	0.054	50	22.444	35.950	4.82	0.12
6		50	22.376	35.938	4.82	0.15	5.17	0.046	75	20.926	35.839	5.01	0.16
7		31	22.933	35.934	4.78	0.15	5.05	0.055	100	20.409	35.814	4.97	0.23
8		21	24.331	35.928	4.65	0.48	4.93	0.095	125	20.098	35.791	4.88	0.32
9		10	24.341	35.932	4.64	0.53	4.94	0.098	150	19.808	35.742	4.82	0.80
10		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		152	19.643	35.708	4.79	0.78			200	18.667	35.502	4.60	0.37
13		150	19.693	35.719	4.81	0.76							
14		150	19.693	35.719	4.81	0.78							
15		100	20.421	35.818	4.95	0.21							
16		100	20.420	35.818	4.95	0.20							
17		75	20.904	35.838	5.01	0.16							
18		75	20.907	35.838	5.01	0.17							
19		50	22.419	35.944	4.83	0.12							
20		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	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		
		C7	TD Data (B	ΓL)			Routine An	alysis Data		CT	AY)		
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		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

Cruise:	KH-11-10		Station:			Date:	2012/1/20		Latitude:	19	59.95S	Depth:	4260m
Leg:	2		Cast:	C3 (Light I	Depth)	Time:	17:14		Longitude:	100	00.05W		
		CT	TD Data (B	ΓL)			Routine An	alysis Data		СТ	AY)		
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	***	***	***			5	24.367	35.935	4.65	0.14
1	176	177	18.825	35.529	4.64	0.40			10	24.344	35.935	4.65	0.15
2		178	19.006	35.564	4.68	0.44			20	24.319	35.934	4.66	0.21
3		178	18.993	35.562	4.69	0.47			30	23.227	35.938	4.77	0.14
4		120	20.141	35.798	4.88	0.30			40	22.874	35.990	4.78	0.11
5		120	20.141	35.798	4.88	0.34			50	22.155	35.922	4.89	0.11
6		120	20.140	35.798	4.87	0.32			75	20.917	35.841	5.01	0.15
7		120	20.141	35.798	4.88	0.32			100	20.402	35.816	4.96	0.22
8		47	22.641	35.963	4.79	0.10			125	20.088	35.793	4.85	0.38
9		47	22.663	35.966	4.79	0.11			150	19.645	35.705	4.80	0.76
10		47	22.632	35.964	4.80	0.10			175	19.096	35.585	4.71	0.53
11	19	19	24.313	35.934	4.65	0.21			200	18.409	35.453	4.56	0.29
12		19	24.330	35.932	4.65	0.20			201	18.410	35.453	4.55	0.27
13		19	24.319	35.933	4.65	0.20							
14		7	24.378	35.934	4.65	0.16							
15		7	24.382	35.934	4.64	0.14							
16		7	24.354	35.934	4.65	0.16							
17		6	24.357	35.934	4.64	0.16							
18		6	24.360	35.934	4.64	0.17							
19		7	24.343	35.934	4.64	0.18							
20		7	24.338	35.933	4.64	0.18							
21	7	7	24.336	35.933	4.65	0.19							
22	120	120	20.140	35.798	4.88	0.35							
23		47	22.618	35.963	4.80	0.10							
24	19	20	24.321	35.933	4.64	0.21							

Cruise:	KH-11-10		Station:	St.22		Date:	2012/1/20		Latitude:	20	00.00S	Depth:	4259m
Leg:	2		Cast:	C4 (Metal&	kGas)	Time:	22:46		Longitude:	99	59.97W		
		CT	TD Data (B	ΓL)			Routine An	nalysis Data					
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	24.637	35.935	4.64	0.19
1	1239	1250	3.494	34.552	2.04	0.06			10	24.609	35.935	4.65	0.21
2		1000	4.266	34.506	1.89	0.06			20	24.348	35.929	4.67	0.27
3		850	4.865	34.477	1.77	0.06			30	23.059	35.931	4.79	0.15
4		750	5.306	34.453	1.82	0.06			40	22.768	35.936	4.79	0.11
5		700	5.559	34.440	1.94	0.06			50	22.641	35.968	4.80	0.12
6		550	6.646	34.421	2.29	0.06			75	21.012	35.837	5.02	0.15
7		500	7.248	34.448	1.88	0.06			100	20.529	35.811	4.99	0.21
8		400	8.859	34.489	1.44	0.06			125	20.216	35.813	4.89	0.37
9		300	11.876	34.451	3.33	0.05			150	19.917	35.762	4.80	0.80
10	249	250	15.310	34.868	4.36	0.08			175	19.240	35.621	4.71	0.63
11	199	200	18.567	35.476	4.59	0.33			200	18.662	35.500	4.59	0.38
12	151	152	19.815	35.740	4.78	0.87			250	15.727	34.943	4.40	0.08
13	149	150	19.839	35.746	4.78	0.91			300	11.979	34.464	3.48	0.05
14		150	19.836	35.746	4.78	0.83			400	8.889	34.494	1.42	0.05
15	124	125	20.127	35.798	4.89	0.49			500	7.298	34.453	1.87	0.05
16		100	20.500	35.821	4.99	0.23			600	6.279	34.425	2.18	0.05
17		75	20.928	35.839	5.00	0.18			700	5.550	34.436	2.01	0.06
18		50	22.512	35.939	4.81	0.13			800	5.112	34.468	1.74	0.06
19		30	23.472	35.981	4.77	0.20			900	4.655	34.485	1.83	0.06
20	20	21	24.337	35.927	4.67	0.37			1000	4.264	34.506	1.90	0.06
21	10	10	24.661	35.935	4.64	0.28			1200	3.660	34.543	1.99	0.06
22	10	10	24.627	35.936	4.64	0.29			1301	3.377	34.559	2.10	0.06
23		5	24.652	35.936	4.64	0.28							
24	5	5	24.642	35.936	4.64	0.28							