

Outer Moray Firth (OMF)

Mean Values

North Latitude = 58.50 N
 South Latitude = 57.42 N
 West Longitude = 3.75 W
 East Longitude = 2.00 W

Total number of stations = 2041

Minimum sounding (m) = 6
 Maximum sounding (m) = 221

Surface layer - 0 - 10m

Number of data depths = 3680
 Minimum sampled depth = 0
 Maximum sampled depth = 10

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	7.34	34.396	26.890	7.03	0.57	4.22	0.49	141.0<	3.00	0.39	0.22	97	1.20
Feb	6.50	34.621	27.185	7.67	0.66	4.25	0.25	220.0	30.02	0.39	0.22	96	1.40
Mar	5.91	34.722	27.341	7.32	0.64	3.80	0.24<	81.0	36.06<	1.43	0.16	97	0.64
Apr	7.02	34.282	26.843	2.34	0.27	1.01	0.23	266.0	42.11	2.01	0.61	100<	1.21
May	8.33	34.530	26.850	0.80	0.28	0.63	0.27	170.0	32.47	1.44	0.36	102	1.35
Jun	11.62	34.617	26.356	0.67	0.19	0.68	0.58	210.0	35.07	0.91	0.38	109	0.65
Jul	12.35	34.696	26.277	0.78	0.30	1.67	2.04	232.0	20.10	1.00	0.13	113	1.46
Aug	13.46	34.699	26.063	0.56	0.19	1.53	0.42	266.0	36.91	1.32	0.82	105	1.38
Sep	12.44	34.800	26.347	1.49	0.29	1.88	1.55	163.0<	29.66<	0.89	0.24	96	1.02
Oct	11.79	34.608	26.323	1.42	0.42	2.17	1.66	60.0	22.41<	2.84	0.77	96	0.79
Nov	9.56	34.651	26.753	7.02	0.52	3.69	0.22	132.0	15.16	0.37	1.07	98	0.55
Dec	8.12	34.605	26.943	7.55	0.57	3.77	0.22	62.0	6.14	0.23	0.10	95	0.58
Avg	9.54	34.602	26.681	3.72	0.41	2.44	0.68	167.0	25.76	1.10	0.42	100	1.02
Amp	3.55	0.107	0.512	4.07	0.21	1.72	0.60	64.0	12.33	0.38	0.18	7	0.20
Phi	4.78	5.366	-1.353	-2.44	-2.52	-2.93	4.90	2.0	2.05	3.15	5.87	3	2.10

Bottom layer - 30m - Bottom

Number of data depths = 5330
 Minimum sampled depth = 30
 Maximum sampled depth = 219

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	7.70	34.769	27.135	7.00	0.60	3.99	0.60	95.0<	4.87<	0.40	0.24	94<	1.20
Feb	6.80	34.791	27.281	7.77	0.67	4.19	0.31	81.0<	0.20	0.40	0.27	96	1.40
Mar	5.94	34.799	27.398	7.33	0.67	4.31	0.63<	67.0	21.39<	1.76	0.63<	96	0.64
Apr	6.78	34.746	27.248	4.34	0.46	1.46	0.95	265.0	42.59	1.67	0.99	98<	1.21
May	7.52	34.822	27.203	1.87	0.43	0.91	0.70	208.0	36.31	1.31	0.86	100	1.35
Jun	8.88	34.829	27.001	1.47	0.41	1.87	1.54	152.0	28.83	2.40	0.77	100	0.65
Jul	10.41	34.842	26.755	2.15	0.48	3.68	1.56<	147.0<	24.31<	1.45<	0.87<	96<	1.46
Aug	11.75	34.859	26.518	0.95	0.38	2.96	1.58	143.0	19.79	0.50	0.98	93	1.38
Sep	12.01	34.874	26.488	1.81	0.36	3.20	1.70<	136.0<	17.93<	0.53	0.19	88	1.02
Oct	11.86	34.842	26.493	1.76	0.46	2.34	1.81	130.0<	16.07<	1.36	0.69	97	0.79
Nov	9.76	34.820	26.851	6.97	0.51	3.38	0.17	123.0	14.21	0.30	1.56	97	0.55
Dec	8.42	34.871	27.106	7.55	0.51	3.05	0.38<	109.0<	9.54<	0.35<	0.90<	93	0.58
Avg	8.99	34.822	26.957	4.25	0.49	2.94	0.99	138.0	19.67	1.04	0.75	96	1.02
Amp	2.87	0.042	0.432	3.60	0.12	0.77	0.68	43.0	13.16	0.71	0.11	2	0.20
Phi	5.42	5.441	-0.597	-2.20	-1.68	-3.36	4.17	2.0	2.24	1.87	4.53	1	2.10

Outer Moray Firth (OMF)

Standard Deviation

North Latitude = 58.50 N
 South Latitude = 57.42 N
 West Longitude = 3.75 W
 East Longitude = 2.00 W

Total number of stations = 2041

Minimum sounding (m) = 6
 Maximum sounding (m) = 221

Surface layer - 0 - 10m

Number of data depths = 3680
 Minimum sampled depth = 0
 Maximum sampled depth = 10

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.77	0.746	0.540	1.49	0.12	1.13	1.39		0.00	0.17	0.10	2	2.01
Feb	0.76	0.387	0.275	1.28	0.15	0.71	0.47	201.0	51.07	0.12	0.13	2	2.35
Mar	0.79	0.222	0.201	1.37	0.09	1.21		23.0		2.02	0.03	1	0.69
Apr	0.62	0.825	0.665	2.44	0.17	1.14	0.13	187.0	22.52	1.99	0.58		1.26
May	0.84	0.498	0.452	1.22	0.09	0.37	0.29	71.0	15.05	0.86	0.24	3	1.25
Jun	1.42	0.369	0.452	0.56	0.11	0.51	0.59	113.0	17.03	0.96	0.49	4	2.00
Jul	1.44	0.308	0.409	0.49	0.11	0.96	0.00	102.0	4.83	0.73	0.06	0	1.30
Aug	1.13	0.330	0.368	0.48	0.09	0.60	0.41	47.0	7.30	1.14	0.63	3	1.28
Sep	0.76	0.197	0.262	1.06	0.14	1.01	0.76			0.53	0.19	5	1.16
Oct	0.47	0.478	0.381	1.19	0.11	0.95	0.92	1.0		2.83	0.82	3	0.95
Nov	0.49	0.345	0.243	1.07	0.11	0.72	0.14	33.0	3.82	0.14	1.07	2	0.97
Dec	1.01	0.573	0.387	0.66	0.07	1.71	0.11	8.0	1.37	0.08	0.01	1	0.90

Bottom layer - 30m - Bottom

Number of data depths = 5330
 Minimum sampled depth = 30
 Maximum sampled depth = 219

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.55	0.123	0.086	1.10	0.12	0.75	1.21			0.08	0.08		2.01
Feb	0.53	0.098	0.101	1.29	0.15	0.81	0.44		0.00	0.04	0.12	2	2.35
Mar	0.70	0.140	0.148	0.78	0.06	0.86		3.0		1.69		2	0.69
Apr	0.43	0.146	0.116	2.08	0.10	0.95	0.66	204.0	20.70	1.39	0.56		1.26
May	0.54	0.148	0.143	1.74	0.20	0.75	0.60	65.0	12.76	0.88	0.53	5	1.25
Jun	0.83	0.121	0.171	0.81	0.18	0.81	1.01	67.0	14.97	1.74	0.55	4	2.00
Jul	0.77	0.136	0.178	0.47	0.08	1.14							1.30
Aug	0.68	0.092	0.145	0.53	0.10	0.97	0.86	71.0	7.00	0.46	0.60	5	1.28
Sep	0.59	0.131	0.182	0.95	0.13	1.27				0.53	0.28	7	1.16
Oct	0.42	0.103	0.111	1.06	0.11	0.61	0.70			1.01	0.93	5	0.95
Nov	0.49	0.207	0.174	1.24	0.04	0.46	0.09	23.0	2.61	0.06	1.41	2	0.97
Dec	0.81	0.101	0.127	0.74	0.03	0.85						0	0.90

Inner Moray Firth (IMF)

Mean Values

North Latitude = 58.17 N
 South Latitude = 57.42 N
 West Longitude = 4.50 W
 East Longitude = 3.75 W

Total number of stations = 331

Minimum sounding (m) = 5
 Maximum sounding (m) = 66

Surface layer - 0 - 10m

Number of data depths = 627
 Minimum sampled depth = 0
 Maximum sampled depth = 10

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	6.06	31.892	25.083	9.33	0.64	7.03	0.54		4.70	0.37	0.31	95	1.58
Feb	4.83	31.902	25.235	9.98	0.73	4.89	0.15			3.49<	0.44<	95	1.23
Mar	5.30	33.376	26.350	4.39	0.45	3.21	0.15			6.61	0.56<	109	1.22
Apr	6.66	29.828	23.392	6.02	0.38	5.26	0.64	216.0	31.30	2.23	0.69	109<	1.83
May	8.95	33.099	25.636	0.01	0.27	2.78<	0.50<			1.45	0.34	109<	1.32
Jun	12.44	33.589	25.401	1.15	0.12	0.30	0.35			0.84	0.32	109	0.66
Jul	14.16	33.388	24.928	1.00<	0.16<	1.23<	0.57<			1.24<	0.76<	103<	0.94<
Aug	13.03	33.664	25.351	0.85<	0.20	2.15	0.80<			1.65	1.20	96	1.21
Sep	13.54	33.441	25.075	0.69	0.27	2.33	1.02<			0.49	0.26	94	1.13
Oct	11.30	33.133	25.268	0.99	0.41	2.59	1.24			2.96	0.51	94	1.29
Nov	8.23	32.526	25.290	6.41	0.52	5.52	0.25			0.50	0.44<	97	-0.99
Dec	6.95	32.887	25.752	10.43	0.70	6.07	0.40<			0.28	0.38<	93	1.49
Avg	9.29	32.727	25.230	4.27	0.40	3.61	0.55			1.84	0.52	100	1.08
Amp	4.57	0.868	0.180	4.90	0.28	2.49	0.31			1.20	0.14	8	0.37
Phi	4.40	4.859	-3.847	-2.33	-2.63	-2.55	5.28			-0.27	3.62	1	0.28

Bottom layer - 30m - Bottom

Number of data depths = 96
 Minimum sampled depth = 30
 Maximum sampled depth = 65

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	6.69	33.609	26.361	8.05	0.60	5.45	0.40			0.52	0.38	95	1.58
Feb	5.45	34.716	27.396		0.70	6.73						93	1.23
Mar	5.90	34.502	27.171	7.16	0.61	3.08				6.77		96	1.22
Apr	6.16	34.521	27.152	4.50	0.51	3.03	0.60						1.83
May	7.46	34.676	27.098										1.32
Jun	8.85	34.311	26.601										0.66
Jul	11.61	34.652	26.393										0.94<
Aug	11.18	34.728	26.532										1.21
Sep	13.14	34.600	26.055	0.60	0.31	3.49				0.41	0.00	85	1.13
Oct	11.53	34.485	26.277	1.35	0.44	3.25	1.35						1.29
Nov	9.87	34.710	26.747										-0.99
Dec	7.74	34.213	26.688										1.49
Avg	8.80	34.477	26.706										1.08
Amp	3.47	0.195	0.465										0.37
Phi	5.18	3.559	-0.328										0.28

Inner Moray Firth (IMF)

Standard Deviation

North Latitude = 58.17 N
 South Latitude = 57.42 N
 West Longitude = 4.50 W
 East Longitude = 3.75 W

Total number of stations = 331

Minimum sounding (m) = 5
 Maximum sounding (m) = 66

Surface layer - 0 - 10m

Number of data depths = 627
 Minimum sampled depth = 0
 Maximum sampled depth = 10

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.85	1.956	1.521	4.07	0.13	1.91	0.32		0.00	0.17	0.16	3	1.56
Feb	0.63	1.201	0.944	1.13	0.18	2.27	0.05					2	1.33
Mar	0.68	0.607	0.444	3.15	0.18	3.40	0.05			3.49		0	0.92
Apr	0.74	4.083	3.243	2.78	0.14	3.59	0.37	0.0	0.00	0.00	0.00		1.43
May	0.80	1.033	0.839	0.00	0.00					0.00	0.00		0.60
Jun	1.52	1.163	1.022	0.65	0.04	0.00	0.15			0.83	0.21	2	-0.99
Jul	0.14	0.692	0.625										
Aug	0.66	0.811	0.691		0.05	0.15				0.46	1.00	11	0.90
Sep	0.89	1.474	1.193	0.45	0.11	1.40				0.20	0.29	0	0.91
Oct	0.63	1.227	0.957	0.69	0.09	0.85	0.55			1.23	0.19	1	1.17
Nov	0.93	2.042	1.481	0.27	0.16	1.30	0.05			0.00		1	-0.99
Dec	1.04	1.780	1.322	0.00	0.00	0.00				0.00		0	1.31

Bottom layer - 30m - Bottom

Number of data depths = 96
 Minimum sampled depth = 30
 Maximum sampled depth = 65

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.74	1.486	1.121	1.28	0.12	1.53	0.47			0.12	0.17	3	1.56
Feb	0.50	0.058	0.093		0.00	0.00						0	1.33
Mar	0.67	0.431	0.415	1.00	0.00	1.55				0.00		0	0.92
Apr	0.57	0.094	0.072	0.00	0.08	0.07	0.00						1.43
May	0.25	0.157	0.121										0.60
Jun	0.51	0.478	0.407										-0.99
Jul	0.00	0.000	0.000										
Aug	0.42	0.061	0.095										0.90
Sep	0.41	0.144	0.195	0.00	0.13	2.18				0.08	0.00	0	0.91
Oct	0.35	0.465	0.361	0.25	0.03	0.35	0.15						1.17
Nov	0.55	0.123	0.004										-0.99
Dec	0.98	0.896	0.618										1.31

North East Coast (NEC)

Mean Values

North Latitude = 57.42 N
 South Latitude = 56.50 N
 West Longitude = 2.50 W
 East Longitude = 1.25 W

Total number of stations = 1781

Minimum sounding (m) = 5
 Maximum sounding (m) = 153

Surface layer - 0 - 10m

Number of data depths = 3295
 Minimum sampled depth = 0
 Maximum sampled depth = 10

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	7.06	34.436	26.962	8.31	0.62	5.12	0.54	145.0<	1.90	0.27	0.27	105	0.93
Feb	5.97	34.407	27.087	8.42	0.65	4.79	0.94	227.0	28.70	0.32	0.17	103<	-0.99
Mar	5.78	34.326	27.049	8.48	1.26	5.42	1.07	52.0	14.98<	0.68	0.53	102	0.23
Apr	6.47	33.826	26.541	6.54	0.57	3.49	0.56	18.0	1.25	1.88	0.35	12	1.20
May	7.96	34.314	26.730	2.14	0.34	1.12	0.94	231.0	25.76	2.83	0.62	42	0.63
Jun	10.53	34.434	26.418	0.69	0.25	1.16	3.37	236.0	1.90	2.55	0.52	28	0.99
Jul	11.51	34.502	26.295	0.68	0.29	0.81	13.80	307.0	14.40	2.55	0.16	46	1.69
Aug	12.78	34.646	26.167	0.68	0.26	1.37	15.19	260.0<	2.13	1.80	0.48	4	1.27
Sep	12.48	34.680	26.249	1.20	0.33	2.16	1.56	213.0	1.69	1.68	0.38	90	2.07
Oct	11.60	34.605	26.355	3.36	0.46	3.87	1.80	163.0<	0.62	0.77	0.24	6	0.64
Nov	10.56	34.641	26.567	6.14	0.55	4.64	0.73	113.0<	4.31<	0.38	0.12	93	1.14
Dec	8.99	34.562	26.768	6.56	0.54	4.80	0.38	63.0	8.00	0.24	0.12	93	-0.99
Avg	9.31	34.448	26.599	4.43	0.51	3.23	3.41	169.0	8.80	1.33	0.33	60	0.73
Amp	3.48	0.260	0.409	4.33	0.28	2.31	4.90	82.0	7.08	1.30	0.16	39	0.89
Phi	5.14	-5.709	-1.428	-1.98	-1.57	-2.60	3.97	3.0	-0.03	2.81	1.96	-3	4.09

Bottom layer - 30m - Bottom

Number of data depths = 4351
 Minimum sampled depth = 30
 Maximum sampled depth = 151

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	7.23	34.582	27.056	7.75	0.60	4.91	0.56		0.53	0.27	0.12	101	0.93
Feb	6.01	34.389	27.064	7.91	0.66	4.67	0.90			0.34	0.16<	14	-0.99
Mar	5.88	34.426	27.115	6.70	1.55	4.34	0.85			0.64	0.21	94	0.23
Apr	6.47	34.447	27.054	5.29	0.49	2.91	1.01			1.48	0.51	96<	1.20
May	7.46	34.406	26.888	2.08	0.36	1.15	1.13	265.0	52.00	2.64	1.22	99	0.63
Jun	9.26	34.407	26.612	0.98	0.30	1.52	3.38	224.0		1.65	0.50	97	0.99
Jul	10.30	34.589	26.582	0.72	0.32	1.32	10.19			1.96	0.47<	94	1.69
Aug	11.64	34.732	26.450	0.68	0.33	1.75	9.24			1.56	0.43	92<	1.27
Sep	12.17	34.750	26.363	1.37	0.41	2.47	1.64	200.0		1.16	0.65	89	2.07
Oct	11.93	34.765	26.415	3.04	0.43	3.24	1.36			0.57	0.18	90<	0.64
Nov	10.88	34.757	26.604	5.82	0.51	4.53	0.79	0.0		0.40	0.13	90	1.14
Dec	9.31	34.712	26.837	6.61	0.55	4.43	0.35			0.24	0.12<	94	-0.99
Avg	9.04	34.580	26.753	4.08	0.54	3.10	2.62			1.08	0.39	88	0.73
Amp	3.19	0.204	0.374	3.85	0.29	1.89	3.38			0.98	0.32	11	0.89
Phi	5.53	-5.541	-0.816	-2.13	-1.37	-2.77	3.82			2.67	2.52	4	4.09

North East Coast (NEC)

Standard Deviation

North Latitude = 57.42 N
 South Latitude = 56.50 N
 West Longitude = 2.50 W
 East Longitude = 1.25 W

Total number of stations = 1781

Minimum sounding (m) = 5
 Maximum sounding (m) = 153

Surface layer - 0 - 10m

Number of data depths = 3295
 Minimum sampled depth = 0
 Maximum sampled depth = 10

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.52	0.308	0.222	1.95	0.16	1.31	0.53		1.80	0.09	0.21	7	1.57
Feb	0.43	0.262	0.200	1.77	0.16	0.99	1.51	48.0	8.50	0.08	0.12		2.05
Mar	0.51	0.220	0.168	4.18	7.61	7.61	1.79	0.0		0.39	1.66	4	0.57
Apr	1.00	3.896	3.102	3.85	0.76	2.19	0.79	0.0	1.52	1.64	0.23	6	2.28
May	0.98	0.237	0.251	2.88	0.34	0.89	0.92	148.0	18.89	2.16	0.36	47	0.79
Jun	0.92	0.164	0.177	1.02	0.25	0.67	15.44	24.0	1.14	1.51	0.26	43	2.14
Jul	1.31	0.162	0.221	0.44	0.22	0.72	31.65	39.0	16.53	0.91	0.09	55	2.16
Aug	0.68	0.174	0.218	0.73	0.27	0.80	32.74		0.25	0.97	0.40	1	1.20
Sep	0.61	0.193	0.206	0.78	0.21	1.33	0.82	0.0	0.43	1.51	0.27	23	2.41
Oct	1.12	0.309	0.217	1.83	0.22	1.68	1.14		0.05	0.37	0.12	1	0.85
Nov	0.83	0.184	0.156	1.45	0.20	1.04	0.75			0.14	0.04	2	1.87
Dec	0.73	0.219	0.159	1.64	0.13	1.14	0.42	0.0	0.00	0.09	0.00	1	0.61

Bottom layer - 30m - Bottom

Number of data depths = 4351
 Minimum sampled depth = 30
 Maximum sampled depth = 151

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.45	0.121	0.100	1.29	0.15	0.83	0.51		0.61	0.06	0.04	1	1.57
Feb	0.58	1.998	1.587	1.80	0.43	0.87	1.49			0.05		0	2.05
Mar	0.47	0.112	0.091	2.68	9.59	1.37	1.40			0.17	0.07	0	0.57
Apr	0.64	1.892	1.503	3.19	0.32	1.60	2.46			1.49	0.28		2.28
May	0.87	0.176	0.179	2.37	0.20	0.81	1.30	25.0	5.79	1.86	1.08	1	0.79
Jun	0.93	2.161	1.685	1.42	0.23	0.68	14.66	67.0		0.87	0.24	0	2.14
Jul	1.07	0.148	0.186	0.55	0.36	0.76	27.50			0.56		2	2.16
Aug	0.92	0.120	0.206	0.48	0.44	0.74	25.56			1.02	0.24		1.20
Sep	0.71	0.133	0.194	0.69	0.53	0.87	0.81	60.0		1.16	0.15	5	2.41
Oct	1.00	0.170	0.176	1.48	0.20	1.01	0.81			0.30	0.07		0.85
Nov	0.60	0.156	0.123	1.50	0.14	1.04	0.78	0.0		0.10	0.03	4	1.87
Dec	0.62	0.178	0.105	2.98	0.12	0.92	0.38			0.09		0	0.61

Outer Firth of Forth (OFF)

Mean Values

North Latitude = 56.25 N
 South Latitude = 55.92 N
 West Longitude = 3.25 W
 East Longitude = 2.25 W

Total number of stations = 888

Minimum sounding (m) = 4
 Maximum sounding (m) = 71

Surface layer - 0 - 10m

Number of data depths = 2217
 Minimum sampled depth = 0
 Maximum sampled depth = 10

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	6.27	34.058	26.773	10.64	0.78	7.11	0.68	526.0<	46.62<	0.35	0.21		0.58
Feb	4.79	33.203	26.268	16.00	0.66	9.76	1.60	477.0	42.85	0.41	0.55		0.84
Mar	5.56	33.525	26.448	11.15	0.98	9.64	2.03	334.0	25.21	0.68	0.52		0.68
Apr	6.49	33.675	26.433	9.42	0.60	4.81	0.80	402.0	31.67	0.90	0.56		0.65
May	8.52	31.924	24.549	2.28	0.39	1.67	0.73	301.0	56.76	1.99	0.50		1.52
Jun	10.65	34.057	26.127	0.79	0.45	0.69	1.01	275.0	34.25	3.79	0.25	108	1.39
Jul	12.85	34.133	25.740	0.38	0.40	0.36	0.37	280.0	49.40	3.20	0.79		1.24
Aug	13.55	34.043	25.540	0.41	0.53	1.80	1.55<	245.0<	45.10<	1.43	0.64		0.70
Sep	13.09	34.329	25.852	0.43	0.31	0.93	2.73<	211.0	40.80	0.83	0.38		1.11
Oct	11.59	34.006	25.893	3.94	0.84	4.30	3.91	314.0	33.78	0.84	0.40		0.81
Nov	9.35	33.953	26.241	8.19	1.12	6.90	5.00	622.0	54.14	0.51	0.69		0.38
Dec	8.13	34.070	26.522	7.47	0.92	6.66	2.53	574.0<	50.38<	0.43<	0.45<		0.56
Avg	9.24	33.748	26.032	5.93	0.67	4.55	1.91	380.0	42.58	1.28	0.49		0.87
Amp	4.17	0.535	0.526	6.73	0.28	4.36	1.47	155.0	3.75	1.30	0.05		0.37
Phi	4.77	-5.603	-2.641	-1.82	-3.03	-2.17	-4.73	-2.0	-5.48	2.91	3.67		2.67

Bottom layer - 30m - Bottom

Number of data depths = 1150
 Minimum sampled depth = 30
 Maximum sampled depth = 70

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	6.87	34.398	26.961	8.94	0.75	6.00	0.25	348.0<	37.43<	0.32	0.21		0.58
Feb	5.17	34.075	26.890	11.15	0.48	7.39	0.75	331.0	33.47	0.37	0.47		0.84
Mar	5.92	34.250	26.972	9.60	0.82	7.97	0.46	274.0	23.78	0.44	0.48		0.68
Apr	6.28	34.071	26.782	8.07	0.56	4.73	0.45	243.0	17.80	0.53	0.49		0.65
May	7.44	31.147	24.291	1.15	0.24	0.82	1.84	276.0	51.42	1.92	0.97		1.52
Jun	8.62	34.384	26.692	1.45	0.49	2.42	2.45	153.0	15.92	1.31	0.32	95	1.39
Jul	10.00	34.379	26.420	0.77	0.45	2.32	1.86	187.0	35.16	1.44	0.64		1.24
Aug	13.18	34.393	25.885	0.22	0.54	2.02	2.16<	216.0<	34.96<	0.69	0.53		0.70
Sep	12.29	34.559	26.187	1.07<	0.55<	2.75<	2.45<	245.0<	34.76<	0.64<	0.53<		1.11
Oct	11.98	34.447	26.160	1.92	0.55	3.47	2.74	274.0	34.56	0.59	0.53		0.81
Nov	9.74	34.308	26.456	6.01	0.81	5.65	3.20	381.0	45.35	0.50	0.63		0.38
Dec	8.95	34.502	26.735	6.00	0.74	5.26	0.49	365.0<	41.39<	0.41<	0.42<		0.56
Avg	8.87	34.076	26.369	4.70	0.58	4.23	1.59	274.0	33.83	0.76	0.52		0.87
Amp	3.50	0.635	0.487	5.15	0.16	2.68	1.15	88.0	6.21	0.54	0.10		0.37
Phi	5.37	-4.847	-2.559	-1.70	-3.35	-2.15	5.02	-3.0	-4.73	2.73	3.08		2.67

Outer Firth of Forth (OFF)

Standard Deviation

North Latitude = 56.25 N
 South Latitude = 55.92 N
 West Longitude = 3.25 W
 East Longitude = 2.25 W

Total number of stations = 888

Minimum sounding (m) = 4
 Maximum sounding (m) = 71

Surface layer - 0 - 10m

Number of data depths = 2217
 Minimum sampled depth = 0
 Maximum sampled depth = 10

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.43	0.292	0.218	1.65	0.19	1.30	0.68			0.06	0.12		0.57
Feb	0.23	0.798	0.615	3.91	0.15	2.20	1.22	235.0	17.65	0.13	0.24		0.92
Mar	0.47	0.749	0.581	2.64	0.63	2.23	1.71	284.0	15.90	0.59	0.24		0.76
Apr	0.57	0.353	0.348	2.27	0.17	1.85	0.79	140.0	8.26	0.45	0.30		0.73
May	0.78	7.015	6.010	3.39	0.39	2.48	0.57	114.0	17.11	1.47	0.34		1.78
Jun	1.03	0.276	0.296	0.45	0.11	0.49	0.85	66.0	6.99	2.50	0.23	5	1.20
Jul	1.01	0.133	0.278	0.32	0.24	0.31	0.25	83.0	10.19	1.26	0.41		1.05
Aug	0.57	0.209	0.176	0.51	0.14	0.66				1.18	0.33		0.66
Sep	0.82	0.211	0.246	0.12	0.02	0.56		0.0	0.00	0.02	0.07		1.00
Oct	0.71	0.414	0.305	1.78	0.37	1.56	1.85	92.0	7.32	0.24	0.14		0.85
Nov	0.51	0.388	0.258	2.98	0.61	1.69	2.71	366.0	21.39	0.08	0.32		0.56
Dec	0.57	0.307	0.166	1.52	0.28	1.48	2.00						0.61

Bottom layer - 30m - Bottom

Number of data depths = 1150
 Minimum sampled depth = 30
 Maximum sampled depth = 70

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.49	0.175	0.113	1.46	0.14	0.99	0.19			0.02	0.06		0.57
Feb	0.21	0.291	0.178	2.14	0.09	1.17	0.36	61.0	9.86	0.04	0.07		0.92
Mar	0.48	0.206	0.157	0.75	0.25	1.28	0.54	230.0	15.94	0.06	0.20		0.76
Apr	0.46	0.266	0.245	0.89	0.13	1.55	0.22	0.0	0.00	0.01	0.01		0.73
May	0.44	7.563	6.005	1.98	0.21	1.28	0.87	74.0	10.84	1.17	0.41		1.78
Jun	0.89	0.155	0.214	0.52	0.07	0.94	0.89	37.0	5.24	0.62	0.10	3	1.20
Jul	0.69	0.064	0.137	0.38	0.18	0.67	0.55	63.0	8.38	0.50	0.18		1.05
Aug	0.76	0.135	0.253	0.05	0.12	0.66				0.41	0.16		0.66
Sep	0.96	0.169	0.263										1.00
Oct	0.84	0.187	0.176	1.15	0.17	0.91	0.85	98.0	8.36	0.14	0.17		0.85
Nov	0.22	0.240	0.168	3.11	0.25	1.24	0.60	104.0	9.81	0.06	0.24		0.56
Dec	0.46	0.257	0.133	0.89	0.15	0.86	0.27						0.61

South East Coast (SEC)

Mean Values

North Latitude = 55.92 N
 South Latitude = 55.00 N
 West Longitude = 2.25 W
 East Longitude = 1.00 W

Total number of stations = 89
 Minimum sounding (m) = 7
 Maximum sounding (m) = 103

Surface layer - 0 - 10m

Number of data depths = 194
 Minimum sampled depth = 0
 Maximum sampled depth = 10

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	6.79	34.005	26.662	9.76	0.75	6.10	0.24			0.31	0.56		1.67
Feb	5.90	34.497	27.167	8.41	0.73	4.53							1.42<
Mar	5.54	34.364	27.107	5.70	0.66	4.40							1.17
Apr	6.92	33.789	26.473	10.58	0.46	4.08	0.48						0.88
May	7.38	34.363	26.861	2.10	0.28	1.15	0.25	173.0	30.90	1.47	0.46		1.42
Jun	10.44<	34.449<	26.344<	1.74<	0.30<	1.06<							1.62<
Jul	13.50<	34.535<	25.826<	1.38<	0.32<	0.98<							1.83<
Aug	16.56	34.621	25.309	1.02<	0.34<	0.89<							2.04
Sep	13.11	34.655	26.101	0.66	0.36	0.80						95	1.70<
Oct	11.86	34.529	26.250	7.32	0.37	1.10						97	1.35
Nov	9.04	34.577	26.776	6.25	0.74	4.38	0.95		0.10			93	-0.99
Dec	9.29	34.664	26.808	4.71	0.53	3.90	0.96		0.10	6.14		93	-0.99
Avg	9.69	34.421	26.474	4.97	0.49	2.78							1.09
Amp	4.43	0.239	0.633	3.80	0.23	2.44							0.82
Phi	4.89	5.834	-1.516	-1.97	-2.46	-2.01							2.64

Bottom layer - 30m - Bottom

Number of data depths = 263
 Minimum sampled depth = 30
 Maximum sampled depth = 100

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	6.77	34.559	27.103	7.07<	0.64<	4.61<							1.67
Feb	6.07	34.671	27.282	9.40	0.73	5.40							1.42<
Mar	5.89	34.644	27.284	6.20	0.65	4.10							1.17
Apr	6.66	34.482	27.057	5.70<	0.62<	3.59<							0.88
May	5.97	34.510	27.168	5.20	0.58	3.08	0.90	101.0	20.23	0.30	0.27		1.42
Jun	7.09<	34.589<	27.067<	5.24<	0.62<	2.74<							1.62<
Jul	8.21<	34.669<	26.967<	5.28<	0.66<	2.41<							1.83<
Aug	9.33	34.749	26.866	5.31<	0.70<	2.08<							2.04
Sep	10.06	34.776	26.762	5.35	0.74	1.75						77	1.70<
Oct	10.80	34.613	26.508	4.54	0.62	3.87						78	1.35
Nov	9.62	34.480	26.608	5.80	0.60	4.30	2.55		0.10			93	-0.99
Dec	9.44	34.717	26.825	4.74	0.56	3.82	1.21		0.10				-0.99
Avg	7.99	34.622	26.958	5.82	0.64	3.48							1.09
Amp	2.32	0.059	0.305	1.12	0.02	1.33							0.82
Phi	-5.84	5.684	0.222	-1.39	4.37	-2.06							2.64

South East Coast (SEC)

Standard Deviation

North Latitude = 55.92 N
 South Latitude = 55.00 N
 West Longitude = 2.25 W
 East Longitude = 1.00 W

Total number of stations = 89

Minimum sounding (m) = 7
 Maximum sounding (m) = 103

Surface layer - 0 - 10m

Number of data depths = 194
 Minimum sampled depth = 0
 Maximum sampled depth = 10

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.27	1.082	0.822	4.05	0.32	1.66	0.18			0.02	0.31		2.03
Feb	0.30	0.255	0.186	3.08	0.20	0.67							
Mar	0.44	0.226	0.219	0.00	0.00	0.00							-0.99
Apr	0.53	0.879	0.709	3.49	0.02	1.45	0.10						0.84
May	0.77	0.080	0.153	0.20	0.04	0.05	0.05	29.0	1.20	0.04	0.04		-0.99
Jun													
Jul													
Aug	2.06	0.067	0.405										-0.99
Sep	0.88	0.129	0.230	0.00	0.00	0.00						0	
Oct	0.19	0.199	0.190	6.45	0.00	0.02						1	-0.99
Nov	1.04	0.089	0.218	0.27	0.27	0.35	0.84		0.00			0	0.50
Dec	0.30	0.115	0.075	0.48	0.08	0.47	0.71		0.00	0.00		0	0.64

Bottom layer - 30m - Bottom

Number of data depths = 263
 Minimum sampled depth = 30
 Maximum sampled depth = 100

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.00	0.001	0.001										2.03
Feb	0.31	0.157	0.106	0.00	0.00	0.00							
Mar	0.50	0.041	0.070	0.00	0.00	0.00							-0.99
Apr	0.45	0.149	0.135										0.84
May	0.36	0.101	0.100	0.58	0.05	0.29	0.17	22.0	2.73	0.12	0.08		-0.99
Jun													
Jul													
Aug	0.63	0.005	0.098										-0.99
Sep	0.93	0.093	0.174	0.00	0.00	0.00						0	
Oct	0.59	0.184	0.246	0.00	0.00	0.00						0	-0.99
Nov	0.72	0.073	0.145	0.00	0.07	0.20	1.05		0.00			0	0.50
Dec	0.16	0.069	0.065	0.48	0.08	0.33	0.78		0.00				0.64

Sullom Voe (SULVOE)

Mean Values

North Latitude = 60.48 N
 South Latitude = 60.40 N
 West Longitude = 1.38 W
 East Longitude = 1.00 W

Total number of stations = 543

Minimum sounding (m) = 6
 Maximum sounding (m) = 49

Surface layer - 0 - 10m

Number of data depths = 1369
 Minimum sampled depth = 0
 Maximum sampled depth = 10

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	7.14	34.888	27.295	7.92	0.64	4.76							-0.99
Feb	6.33	34.909	27.426	8.46	0.62	4.56							-0.99
Mar	5.52	34.931	27.558	9.00	0.61	4.36							-0.99
Apr	6.97	34.916	27.353	1.23	0.26	1.05	0.69			3.37	0.71	107	0.55
May	7.74	34.963	27.272	0.60	0.25	0.60	0.50	193.0	40.59	1.84	0.56	108	0.84
Jun	10.18	35.192	27.066	0.47	0.36	1.14	0.22	245.0	38.01	4.00	1.18	105	0.74
Jul	11.31	35.116	26.801	0.17	0.22	0.62	0.30	305.0	49.54	0.54	0.39	112	1.25
Aug	11.91	35.113	26.691	1.13	0.38	2.83	1.66			1.99	1.39	107	0.81
Sep	12.28	35.035	26.563	2.08	0.47	0.65	1.08			5.85	0.84	74	0.72
Oct	9.52	34.860	26.923	5.80	0.63	4.19	1.52					95	-0.99
Nov	8.76	34.844	27.031	6.84	0.66	5.16	2.52					96	-0.99
Dec	7.95	34.866	27.163	7.38	0.65	4.96							-0.99
Avg	8.80	34.970	27.095	4.26	0.48	2.91							-0.09
Amp	2.94	0.135	0.402	4.48	0.22	2.33							1.21
Phi	4.78	3.197	-0.872	-2.77	-3.44	-3.18							3.08

Bottom layer - 30m - Bottom

Number of data depths = 318
 Minimum sampled depth = 30
 Maximum sampled depth = 48

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	7.38	34.909	27.272	8.13	0.70	5.03							-0.99
Feb	6.46	34.926	27.418	8.80	0.68	4.78							-0.99
Mar	5.55	34.943	27.564	9.46	0.65	4.52							-0.99
Apr	6.71	34.985	27.443	2.15	0.38	1.25	1.10			3.11	0.66	103	0.55
May	7.34	35.129	27.468	2.13	0.39	1.57	0.85			1.64	0.61	94	0.84
Jun	9.27	35.208	27.237	1.40	0.84	4.41	3.77	141.0	23.95	2.24	2.04	81	0.74
Jul	8.12	35.107	27.337	0.75	1.26	6.62	2.59	369.0	59.34	1.33	0.82	55	1.25
Aug	10.01	35.207	27.102	7.38	1.92	8.68	4.60			0.66	1.22	55	0.81
Sep	11.14	35.237	26.930	1.05	0.36	3.17	0.89	0.0	0.00	0.00	0.00	916	0.70
Oct	9.76	34.887	26.904	5.75	0.65	4.49	1.69					93	-0.99
Nov	9.22	34.876	26.981	6.80	0.76	5.53	3.02					94	-0.99
Dec	8.30	34.893	27.127	7.46	0.73	5.28							-0.99
Avg	8.27	35.026	27.232	5.11	0.78	4.61							-0.09
Amp	2.10	0.165	0.289	3.42	0.28	1.34							1.21
Phi	5.47	3.353	0.297	-2.75	4.59	-5.87							3.08

Sullom Voe (SULVOE)

Standard Deviation

North Latitude = 60.48 N
 South Latitude = 60.40 N
 West Longitude = 1.38 W
 East Longitude = 1.00 W

Total number of stations = 543

Minimum sounding (m) = 6
 Maximum sounding (m) = 49

Surface layer - 0 - 10m

Number of data depths = 1369
 Minimum sampled depth = 0
 Maximum sampled depth = 10

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan													
Feb													
Mar	0.29	0.070	0.026	0.83	0.04	0.37							-0.99
Apr	0.84	0.193	0.077	0.94	0.12	0.70	0.36			1.37	0.29	2	0.23
May	1.44	0.270	0.162	0.74	0.14	0.61	0.95	59.0	11.24	1.17	0.27	8	1.18
Jun	0.54	0.028	0.106	0.43	0.23	0.59	0.18	62.0	5.90	2.48	1.59	5	0.52
Jul	1.28	0.022	0.241	0.10	0.07	0.39	0.39	125.0	15.31	0.37	0.31	5	1.02
Aug	0.76	0.076	0.152	0.72	0.20	0.64	1.11			0.87	0.60	15	0.85
Sep	0.45	0.125	0.054	1.26	0.19	0.85	0.51			1.74	0.45	0	0.90
Oct	0.46	0.069	0.060	0.59	0.09	0.57	0.54					2	-0.99
Nov	0.87	0.129	0.152	1.52	0.18	0.78	0.91					4	0.04
Dec													

Bottom layer - 30m - Bottom

Number of data depths = 318
 Minimum sampled depth = 30
 Maximum sampled depth = 48

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan													
Feb													
Mar	0.37	0.091	0.031	0.45	0.03	0.42							-0.99
Apr	0.85	0.222	0.068	1.02	0.14	0.45	0.41			1.00	0.28	2	0.23
May	0.91	0.144	0.073	1.19	0.12	1.00	0.78			1.64	0.23	13	1.18
Jun	0.53	0.019	0.080	0.54	0.70	4.99	3.73	26.0	1.05	2.33	1.43	14	0.52
Jul	0.82	0.053	0.107	0.74	0.95	6.29	2.99	207.0	21.13	0.71	0.26	26	1.02
Aug	1.41	0.038	0.233	5.49	1.92	6.76	3.14			0.44	0.31	31	0.85
Sep	1.03	0.077	0.235	1.56	0.42	5.98	0.98	0.0	0.00	0.00	0.00	788	1.00
Oct	0.49	0.103	0.052	0.68	0.07	0.53	0.53					1	-0.99
Nov	0.88	0.112	0.145	1.46	0.12	1.21	1.17					6	0.04
Dec													

Clyde Sea (CLYDE)

Mean Values

North Latitude = 55.75 N
 South Latitude = 55.08 N
 West Longitude = 5.50 W
 East Longitude = 4.67 W

Total number of stations = 1660

Minimum sounding (m) = 6
 Maximum sounding (m) = 179

Surface layer - 0 - 10m

Number of data depths = 2725
 Minimum sampled depth = 0
 Maximum sampled depth = 10

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	7.24	32.760	25.615	10.28	1.16	8.88	0.72	140.0	21.00	0.16	0.12	98	1.36
Feb	6.46	33.126	26.006	12.44	1.07	8.22	0.10	139.0	18.45	0.40	0.14	97	1.43
Mar	6.55	33.086	25.985	9.32	0.91	6.10	1.29<	386.0	69.97	4.45	0.22	99	1.42
Apr	6.64	33.068	25.942	5.97	0.59	1.96	2.47<	179.0	31.71	1.92	0.44	103	1.51
May	8.98	32.781	25.381	2.78	0.47	3.01	3.66	408.0	92.33	1.06	0.62	102	1.57
Jun	11.98	32.769	24.852	0.79	0.35	1.91	2.16	369.0<	72.70<	2.26	0.35	102	1.88
Jul	12.79	32.859	24.766	0.93	0.31	0.95	1.07	329.0<	53.07<	4.27	0.63	110	1.93
Aug	13.40	33.095	24.839	1.29	0.44	2.45	2.41	289.0	33.44	1.68	0.48	100	1.79
Sep	12.82	32.672	24.626	2.86	0.78	3.61	2.45	230.0<	26.15<	1.63	0.53	98<	1.77
Oct	11.86<	32.887<	24.971<	5.93<	1.24<	5.31<	1.49<	171.0<	18.85<	0.98<	0.33<	96<	1.77<
Nov	10.90	33.101	25.316	9.01	1.70	7.01	0.52	112.0	11.55	0.34	0.13	94	1.77
Dec	8.78	32.942	25.540	11.04	1.15	9.25	0.62<	125.0	14.52	0.21	0.18	97	1.22
Avg	9.87	32.929	25.320	6.05	0.85	4.89	1.58	240.0	38.65	1.61	0.35	100	1.62
Amp	3.63	0.080	0.658	5.70	0.54	3.86	1.05	124.0	30.37	1.23	0.23	5	0.27
Phi	4.86	-1.722	-1.222	-2.46	-3.54	-2.95	2.78	2.0	1.79	2.28	3.25	2	4.20

Bottom layer - 40m - Bottom

Number of data depths = 2431
 Minimum sampled depth = 40
 Maximum sampled depth = 165

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	7.66	33.173	25.887	9.57	1.06	8.20	0.44	105.0	12.49	0.15	0.11	96<	1.36
Feb	7.15	33.393	26.128	10.10	0.98	7.67	0.99<	102.0	7.67	0.16	0.11	96	1.43
Mar	6.87	33.506	26.244	9.11	1.00	8.29	1.54<	143.0	20.12	0.84	0.11	96	1.42
Apr	6.52	33.562	26.348	8.31	0.88	5.26	2.08<	172.0	29.60	2.34	0.53	94	1.51
May	7.95	33.609	26.189	3.57	0.84	6.22	2.63	138.0	27.67	0.50	1.03	95	1.57
Jun	8.76	33.502	25.981	5.28	0.90	5.55	2.66	239.0<	29.19<	0.38	0.47	87	1.88
Jul	9.96	33.546	25.820	4.83	0.88	5.69	1.24	339.0<	30.71<	0.35	0.27	82	1.93
Aug	10.77	33.691	25.792	5.64	1.00	7.90	1.88	440.0	32.23	0.13	0.21	77	1.79
Sep	12.03	33.559	25.462	6.60	1.30	8.64	2.45	336.0<	25.54<	0.14	0.19	82<	1.77
Oct	11.67<	33.488<	25.473<	7.58<	1.67<	7.70<	1.38<	233.0<	18.84<	0.19<	0.16<	88<	1.77<
Nov	11.32	33.416	25.484	8.57	2.04	6.76	0.30	129.0	12.15	0.25	0.14	93	1.77
Dec	9.04	33.317	25.794	10.39	1.21	8.41	0.37<	112.0	9.23	0.15	0.20	97	1.22
Avg	9.14	33.480	25.884	7.46	1.15	7.19	1.50	207.0	21.29	0.46	0.29	90	1.62
Amp	2.62	0.154	0.405	2.81	0.40	1.14	0.97	134.0	11.57	0.52	0.25	9	0.27
Phi	5.74	3.216	0.316	-2.70	-4.78	-3.97	2.61	4.0	3.03	0.60	1.83	-2	4.20

Clyde Sea (CLYDE)

Standard Deviation

North Latitude = 55.75 N
 South Latitude = 55.08 N
 West Longitude = 5.50 W
 East Longitude = 4.67 W

Total number of stations = 1660

Minimum sounding (m) = 6
 Maximum sounding (m) = 179

Surface layer - 0 - 10m

Number of data depths = 2725
 Minimum sampled depth = 0
 Maximum sampled depth = 10

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.56	0.468	0.317	1.57	0.22	1.67	0.95	58.0	6.08	0.05	0.03	0	1.33
Feb	0.65	0.773	0.628	2.80	0.11	1.79	0.00	51.0	5.91	0.18	0.04	4	1.50
Mar	0.54	0.553	0.464	3.14	0.23	3.74		99.0	17.72	4.90	0.11	3	1.44
Apr	0.70	0.390	0.338	2.00	0.17	1.96		96.0	20.58	1.82	0.34	5	1.44
May	0.86	0.392	0.369	2.19	0.11	1.33	1.92	112.0	30.58	0.83	0.34	6	1.32
Jun	1.41	0.322	0.369	1.33	0.15	1.54	1.19			1.42	0.22	3	1.59
Jul	1.44	0.577	0.642	1.28	0.19	0.99	1.39			3.15	0.58	14	2.43
Aug	0.75	0.304	0.295	1.42	0.27	1.29	2.36	61.0	5.32	2.22	0.73	5	1.54
Sep	0.33	0.455	0.395	1.39	0.16	1.56	0.76			1.74	0.32		1.62
Oct													
Nov	0.44	1.306	1.045	7.80	9.05	1.28	0.92	40.0	4.33	0.06	0.02	2	2.69
Dec	0.36	0.790	0.585	2.91	0.26	2.05		39.0	6.97	0.04	0.19	2	1.42

Bottom layer - 40m - Bottom

Number of data depths = 2431
 Minimum sampled depth = 40
 Maximum sampled depth = 165

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.52	0.380	0.283	1.49	0.21	0.85	0.65	32.0	4.95	0.04	0.03		1.33
Feb	0.37	0.282	0.233	1.57	0.18	1.54		13.0	0.56	0.05	0.02	2	1.50
Mar	0.61	0.358	0.315	1.60	0.17	1.55		41.0	7.79	1.03	0.06	3	1.44
Apr	0.63	0.277	0.236	1.70	0.18	2.35		69.0	11.31	2.17	0.21	4	1.44
May	0.42	0.212	0.170	4.13	0.13	0.39	0.81	16.0	6.34	0.10	0.67	3	1.32
Jun	0.61	0.196	0.146	3.82	0.24	1.10	1.11			0.36	0.19	8	1.59
Jul	0.78	0.193	0.133	4.09	0.32	1.62	1.36			0.34	0.10	10	2.43
Aug	0.90	0.159	0.198	2.75	0.17	1.92	1.87	128.0	2.27	0.12	0.11	8	1.54
Sep	0.77	0.178	0.141	2.19	0.39	1.97	1.01			0.09	0.06		1.62
Oct													
Nov	0.60	1.118	0.898	7.75	10.88	1.37	0.67	26.0	1.38	0.07	0.03	4	2.69
Dec	0.19	0.143	0.127	0.77	0.48	0.66		40.0	1.39	0.04	0.28	4	1.42

Malin Shelf - Inner (MALININ)

Mean Values

North Latitude = 57.00 N
 South Latitude = 55.00 N
 West Longitude = 7.00 W
 East Longitude = 6.00 W

Total number of stations = 691

Minimum sounding (m) = 22
 Maximum sounding (m) = 250

Surface layer - 0 - 20m

Number of data depths = 2161
 Minimum sampled depth = 0
 Maximum sampled depth = 20

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	9.01	35.124	27.213	7.88	0.48	2.93	0.01			0.22	0.09		1.37
Feb	8.30	35.107	27.312	8.27<	0.54<	3.62<	0.38<			14.45<	14.56<		0.54
Mar	8.78	35.230	27.325	8.66	0.59	4.30	0.75			28.67	29.03	97	0.68
Apr	8.69	34.970	27.141	4.78	0.47	2.24	0.53			1.43	0.62	100	1.42
May	9.83	35.027	26.997	2.70	0.33	0.87	0.56			1.87	0.57	103	1.60
Jun	11.64	35.271	26.828	1.84<	0.24<	0.79<	0.49<			1.65<	0.42<		1.74
Jul	12.63	34.947	26.422	0.99	0.15	0.72	0.41			1.43	0.27<	104	1.96
Aug	13.19	35.151	26.431	2.77	0.30	0.42	0.57<	174.0	20.99	0.46	0.12		0.71
Sep	13.15	34.918	26.299	1.36	0.29	1.47	0.72			2.83	0.18		2.03
Oct	12.70	35.100	26.531	4.78	0.45	2.64	0.41<			0.45	0.13		1.74
Nov	11.49	35.103	26.762	6.14	0.49	2.85	0.11			0.27	0.32	93	1.36
Dec	11.01	35.165	26.902	6.84	0.51	3.12	0.11			0.19	0.11		0.79
Avg	10.87	35.093	26.847	4.75	0.40	2.16	0.42			4.49	3.87		1.33
Amp	2.50	0.044	0.485	3.60	0.17	1.57	0.21			6.48	7.03		0.42
Phi	5.15	-1.722	-0.953	-2.18	-2.26	-2.34	2.51			-0.62	-0.78		4.18

Bottom layer - 30m - Bottom

Number of data depths = 5181
 Minimum sampled depth = 30
 Maximum sampled depth = 232

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	9.36	35.354	27.337	8.30	0.50	2.66	0.01			0.31<			1.37
Feb	8.39	35.151	27.333	8.52<	0.59<	3.11<	0.21<			0.44<			0.54
Mar	8.85	35.289	27.360	8.73	0.68	3.56	0.42<			0.57<		96	0.68
Apr	8.76	35.214	27.322	5.85	0.54	2.35	0.62			0.70	0.19	98	1.42
May	9.22	35.217	27.250	7.28	0.54	3.26	1.10			0.42	0.32	95	1.60
Jun	9.77	35.396	27.276	6.17<	0.43<	2.82<	0.80<			0.49<			1.74
Jul	10.77	35.209	26.978	5.07	0.32	2.37	0.50			0.56		94	1.96
Aug	9.75	35.318	27.239	11.39	0.93	4.70	0.99<			0.60<			0.71
Sep	11.62	35.111	26.738	6.75	0.67	3.97	1.48			0.65			2.03
Oct	12.27	35.228	26.711	6.57	0.54	3.14	0.82<			0.43<			1.74
Nov	11.47	35.210	26.851	6.91	0.54	3.01	0.16			0.22	0.37	87	1.36
Dec	11.15	35.219	26.918	6.71	0.52	3.04	0.15			0.18			0.79
Avg	10.11	35.243	27.109	7.35	0.57	3.17	0.60			0.46			1.33
Amp	1.56	0.028	0.289	0.34	0.03	0.37	0.46			0.16			0.42
Phi	-5.83	1.303	0.234	-2.87	-5.74	5.37	3.77			2.53			4.18

Malin Shelf - Inner (MALININ)

Standard Deviation

North Latitude = 57.00 N
 South Latitude = 55.00 N
 West Longitude = 7.00 W
 East Longitude = 6.00 W

Total number of stations = 691

Minimum sounding (m) = 22
 Maximum sounding (m) = 250

Surface layer - 0 - 20m

Number of data depths = 2161
 Minimum sampled depth = 0
 Maximum sampled depth = 20

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.04	0.012	0.003	0.00	0.00	0.00	0.00			0.00	0.00		-0.99
Feb	0.19	0.086	0.038										0.60
Mar	0.72	0.247	0.132	1.23	0.12	0.51	0.06			45.10	44.88	2	1.04
Apr	0.83	0.358	0.176	1.46	0.13	0.80	0.34			1.26	0.65	4	1.34
May	1.00	0.281	0.126	1.82	0.12	0.91	0.87			1.26	1.07	2	1.39
Jun	1.22	0.206	0.124										1.47
Jul	0.81	0.230	0.228	0.62	0.05	0.32	0.25			1.01		1	1.72
Aug	0.77	0.192	0.221	4.43	0.16	0.89		67.0	7.97	0.23	0.07		-0.99
Sep	0.79	0.235	0.261	0.98	0.13	0.74	1.25			1.56	0.08		1.79
Oct	0.37	0.188	0.173	0.80	0.10	0.21				0.06	0.04		1.50
Nov	0.66	0.311	0.269	0.89	0.05	0.47	0.02			0.05	0.09	2	1.41
Dec	0.54	0.124	0.107	1.42	0.07	0.38	0.03			0.02	0.00		0.93

Bottom layer - 30m - Bottom

Number of data depths = 5181
 Minimum sampled depth = 30
 Maximum sampled depth = 232

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.13	0.084	0.046	0.00	0.00	0.00	0.00						-0.99
Feb	0.23	0.116	0.055										0.60
Mar	0.60	0.163	0.084	0.00	0.04	0.00						0	1.04
Apr	0.67	0.255	0.129	1.41	0.14	0.83	0.72			0.54	0.21	2	1.34
May	0.76	0.180	0.134	2.74	0.12	2.95	0.92			0.37	0.25	0	1.39
Jun	0.92	0.114	0.132										1.47
Jul	0.83	0.188	0.264	2.66	0.12	1.11	0.40			0.93		5	1.72
Aug	0.68	0.164	0.238	1.26	0.08	0.91							-0.99
Sep	1.43	0.236	0.426	3.53	0.25	1.81	2.93			0.88			1.79
Oct	0.82	0.176	0.253	2.95	0.17	0.91							1.50
Nov	0.62	0.229	0.220	1.63	0.13	0.88	0.15			0.05	0.12	6	1.41
Dec	0.44	0.115	0.084	1.07	0.10	0.26	0.17			0.02			0.93

Malin Shelf - Outer (MALINOUT)

Mean Values

North Latitude = 57.00 N
 South Latitude = 55.00 N
 West Longitude = 9.00 W
 East Longitude = 7.00 W

Total number of stations = 691

Minimum sounding (m) = 22
 Maximum sounding (m) = 250

Surface layer - 0 - 20m

Number of data depths = 2161
 Minimum sampled depth = 0
 Maximum sampled depth = 20

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	9.01	35.124	27.213	7.88	0.48	2.93	0.01			0.22	0.09		1.37
Feb	8.30	35.107	27.312	8.27<	0.54<	3.62<	0.38<			0.18<	0.37<		0.54
Mar	8.78	35.230	27.325	8.66	0.59	4.30	0.75			0.15	0.64	97	0.68
Apr	8.69	34.970	27.141	4.78	0.47	2.24	0.53			1.43	0.62	100	1.42
May	9.83	35.027	26.997	2.70	0.33	0.87	0.56			1.87	0.57	103	1.60
Jun	11.64	35.271	26.828	1.84<	0.24<	0.79<	0.49<			1.65<	0.42<		1.74
Jul	12.63	34.947	26.422	0.99	0.15	0.72	0.41			1.43	0.27<	104	1.96
Aug	13.19	35.151	26.431	2.77	0.30	0.42	0.57<	174.0	20.99	0.46	0.12		0.71
Sep	13.15	34.918	26.299	1.36	0.29	1.47	0.72			2.83	0.18		2.03
Oct	12.70	35.100	26.531	4.78	0.45	2.64	0.41<			0.45	0.13		1.74
Nov	11.49	35.103	26.762	6.14	0.49	2.85	0.11			0.27	0.32	93	1.36
Dec	11.01	35.165	26.902	6.84	0.51	3.12	0.11			0.19	0.11		0.79
Avg	10.87	35.093	26.847	4.75	0.40	2.16	0.42			0.93	0.32		1.33
Amp	2.50	0.044	0.485	3.60	0.17	1.57	0.21			0.82	0.23		0.42
Phi	5.15	-1.722	-0.953	-2.18	-2.26	-2.34	2.51			3.26	0.68		4.18

Bottom layer - 40m - Bottom

Number of data depths = 4498
 Minimum sampled depth = 40
 Maximum sampled depth = 232

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	9.38	35.366	27.343	8.30	0.50	2.66	0.01			0.28<			1.37
Feb	8.40	35.158	27.336	8.52<	0.59<	3.11<	0.24<			0.39<			0.54
Mar	8.85	35.295	27.364	8.73	0.68	3.56	0.46<			0.50<		96	0.68
Apr	8.77	35.234	27.337	6.08	0.55	2.41	0.69			0.61	0.18	98	1.42
May	9.14	35.237	27.279	7.64	0.56	3.50	1.20			0.42	0.32	95	1.60
Jun	9.58	35.391	27.311	6.70<	0.45<	3.08<	0.83<			0.40<			1.74
Jul	10.58	35.244	27.039	5.76	0.35	2.65	0.46			0.37		92	1.96
Aug	9.75	35.318	27.239	11.39	0.93	4.70	0.97<			0.38<			0.71
Sep	11.40	35.146	26.807	7.52	0.70	4.21	1.49			0.39			2.03
Oct	12.21	35.244	26.734	6.94	0.56	3.21	0.83<			0.30<			1.74
Nov	11.46	35.220	26.860	7.14	0.56	3.11	0.17			0.21	0.37	86	1.36
Dec	11.15	35.226	26.923	6.81	0.53	3.05	0.16			0.18			0.79
Avg	10.06	35.257	27.131	7.63	0.58	3.27	0.63			0.37			1.33
Amp	1.53	0.028	0.282	0.16	0.04	0.44	0.45			0.13			0.42
Phi	-5.73	1.647	0.366	-4.50	5.87	4.95	3.62			1.32			4.18

Malin Shelf - Outer (MALINOUT)

Standard Deviation

North Latitude = 57.00 N
 South Latitude = 55.00 N
 West Longitude = 9.00 W
 East Longitude = 7.00 W

Total number of stations = 691

Minimum sounding (m) = 22
 Maximum sounding (m) = 250

Surface layer - 0 - 20m

Number of data depths = 2161
 Minimum sampled depth = 0
 Maximum sampled depth = 20

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.04	0.012	0.003	0.00	0.00	0.00	0.00			0.00	0.00		-0.99
Feb	0.19	0.086	0.038										0.60
Mar	0.72	0.247	0.132	1.23	0.12	0.51	0.06			0.12	0.31	2	1.04
Apr	0.83	0.358	0.176	1.46	0.13	0.80	0.34			1.26	0.65	4	1.34
May	1.00	0.281	0.126	1.82	0.12	0.91	0.87			1.26	1.07	2	1.39
Jun	1.22	0.206	0.124										1.47
Jul	0.81	0.230	0.228	0.62	0.05	0.32	0.25			1.01		1	1.72
Aug	0.77	0.192	0.221	4.43	0.16	0.89		67.0	7.97	0.23	0.07		-0.99
Sep	0.79	0.235	0.261	0.98	0.13	0.74	1.25			1.56	0.08		1.79
Oct	0.37	0.188	0.173	0.80	0.10	0.21				0.06	0.04		1.50
Nov	0.66	0.311	0.269	0.89	0.05	0.47	0.02			0.05	0.09	2	1.41
Dec	0.54	0.124	0.107	1.42	0.07	0.38	0.03			0.02	0.00		0.93

Bottom layer - 40m - Bottom

Number of data depths = 4498
 Minimum sampled depth = 40
 Maximum sampled depth = 232

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.11	0.069	0.037	0.00	0.00	0.00	0.00						-0.99
Feb	0.24	0.117	0.056										0.60
Mar	0.58	0.152	0.078	0.00	0.04	0.00						0	1.04
Apr	0.64	0.235	0.119	1.41	0.14	0.80	0.80			0.46	0.20	2	1.34
May	0.67	0.159	0.116	2.63	0.11	3.02	0.93			0.37	0.25	0	1.39
Jun	0.74	0.118	0.090										1.47
Jul	0.70	0.166	0.226	2.43	0.11	1.03	0.42			0.75		4	1.72
Aug	0.68	0.164	0.238	1.26	0.08	0.91							-0.99
Sep	1.39	0.217	0.403	3.14	0.24	1.72	2.86			0.54			1.79
Oct	0.85	0.168	0.254	2.99	0.17	0.95							1.50
Nov	0.62	0.223	0.217	1.64	0.13	0.91	0.17			0.05	0.12	6	1.41
Dec	0.45	0.111	0.084	1.13	0.11	0.28	0.19			0.02			0.93

Shelf West of Hebrides (WHEB)

Mean Values

North Latitude = 58.50 N
 South Latitude = 57.00 N
 West Longitude = 8.33 W
 East Longitude = 7.25 W

Total number of stations = 240

Minimum sounding (m) = 12
 Maximum sounding (m) = 165

Surface layer - 0 - 30m

Number of data depths = 898
 Minimum sampled depth = 0
 Maximum sampled depth = 30

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	8.79<	34.873<	27.042<	7.24<	0.57<	3.61<				0.24<	0.15<	96<	-0.37<
Feb	7.55	34.761	27.150	6.88	0.55	3.85<	0.26			0.29	0.16	98	0.24
Mar	8.72	35.336	27.410	7.40	0.36	4.08	0.80			1.08<	0.24<	101<	-0.99
Apr	8.31	35.311	27.469	7.74	0.16	2.65				1.87	0.32<	104	0.86
May	9.24	34.493	26.682	3.92	0.51	2.78	2.21			1.26	0.40	84	1.12
Jun	11.48	35.213	26.852	2.98<	0.42<	2.42<				1.21<	0.44<	91<	1.54
Jul	12.34	35.221	26.692	2.04<	0.33<	2.07<				1.15<	0.47<	97<	1.71<
Aug	13.91	34.685	25.940	1.09	0.24	1.72	1.66	274.0	29.33	1.10	0.50	103	1.89
Sep	12.97	34.875	26.299	3.26	0.33	2.47	1.21			1.06	0.47	106	1.63
Oct	12.31	35.098	26.606	5.16	0.60	2.61				0.43	0.13	99<	1.38
Nov	11.24	35.140	26.840	9.28	0.54	3.76				0.31<	0.13<	92	0.95
Dec	10.02	34.984	26.934	7.59	0.60	3.38				0.19	0.14	94<	-0.99
Avg	10.57	34.999	26.826	5.38	0.43	2.95				0.85	0.30	97	0.75
Amp	2.74	0.036	0.514	3.18	0.13	0.94				0.63	0.19	2	1.24
Phi	5.04	-0.159	-0.934	-2.28	-3.42	-2.09				2.21	3.17	-6	4.08

Bottom layer - 50m - Bottom

Number of data depths = 724
 Minimum sampled depth = 50
 Maximum sampled depth = 163

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	9.24<	35.065<	27.124<		0.60<								-0.37<
Feb	8.25	35.152	27.352		0.61<								0.24
Mar	8.80	35.348	27.414		0.63								-0.99
Apr	8.07	35.296	27.494										0.86
May	9.09	35.281	27.323										1.12
Jun	9.88	35.207	27.132										1.54
Jul	10.52	35.283	27.081										1.71<
Aug	10.54	35.178	26.989	11.09	0.84	4.48				0.25			1.89
Sep	11.73	35.100	26.718	5.54	0.54	2.44	2.69			0.49			1.63
Oct	11.87	35.265	26.818	6.72	0.64	2.91				0.22	0.10		1.38
Nov	11.23	35.237	26.918		0.51							91	0.95
Dec	10.22	34.978	26.896	8.00	0.58	2.91							-0.99
Avg	9.95	35.199	27.105										0.75
Amp	1.68	0.085	0.325										1.24
Phi	5.85	1.878	0.209										4.08

Shelf West of Hebrides (WHEB)

Standard Deviation

North Latitude = 58.50 N
 South Latitude = 57.00 N
 West Longitude = 8.33 W
 East Longitude = 7.25 W

Total number of stations = 240

Minimum sounding (m) = 12
 Maximum sounding (m) = 165

Surface layer - 0 - 30m

Number of data depths = 898
 Minimum sampled depth = 0
 Maximum sampled depth = 30

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan													
Feb	0.72	0.352	0.185	0.48	0.05		0.21			0.01	0.02	2	0.38
Mar	0.60	0.091	0.069	0.00	0.25	0.00	0.00						0.09
Apr	0.54	0.123	0.079	3.06	0.03	2.03				1.42		6	0.85
May	0.64	0.697	0.555	0.92	0.17	0.39	2.08			0.49	0.18	20	0.55
Jun	0.48	0.118	0.104										1.29
Jul	0.90	0.068	0.212										
Aug	1.20	0.380	0.460	0.84	0.10	1.03	0.64	197.0	19.62	0.78	0.43	4	1.75
Sep	0.80	0.214	0.254	1.41	0.12	1.05	1.67			0.43	0.20	0	1.64
Oct	0.38	0.164	0.098	0.40	0.31	0.28				0.10	0.04		1.44
Nov	0.43	0.149	0.136	1.00	0.04	0.14						1	1.10
Dec	0.67	0.095	0.175	0.80	0.01	0.21				0.00	0.00		-0.99

Bottom layer - 50m - Bottom

Number of data depths = 724
 Minimum sampled depth = 50
 Maximum sampled depth = 163

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan													
Feb	0.66	0.167	0.030										0.38
Mar	0.53	0.080	0.063		0.00								0.09
Apr	0.54	0.098	0.070										0.85
May	0.28	0.059	0.002										0.55
Jun	0.58	0.094	0.164										1.29
Jul	0.71	0.059	0.168										
Aug	0.89	0.165	0.272	1.90	0.13	1.08				0.21			1.75
Sep	1.12	0.143	0.263	1.75	0.16	1.67	2.17			0.17			1.64
Oct	0.79	0.148	0.208	2.13	0.26	0.86				0.19	0.05		1.44
Nov	0.41	0.130	0.143		0.01							2	1.10
Dec	0.58	0.117	0.180	0.00	0.00	0.00							-0.99

North Minch (MINCHN)

Mean Values

North Latitude = 58.50 N
 South Latitude = 57.83 N
 West Longitude = 6.33 W
 East Longitude = 5.25 W

Total number of stations = 719

Minimum sounding (m) = 10
 Maximum sounding (m) = 180

Surface layer - 0 - 10m

Number of data depths = 1719
 Minimum sampled depth = 0
 Maximum sampled depth = 10

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	9.11	34.289	26.540	6.29	0.48	4.55	0.64		3.10	0.14	0.09	97	1.35
Feb	7.65	33.942	26.494	6.44	0.56	7.37	0.38			0.19	0.08	100	1.05
Mar	7.65	34.551	26.967	5.34	0.50	4.51	0.81			1.30	0.46	96	1.02
Apr	8.00	34.461	26.865	2.48	0.45	2.12	1.08			3.18	0.50	99<	1.24
May	8.83	34.339	26.626	1.89	0.33	1.15	0.94			2.93	0.99	103	1.26
Jun	10.72	34.348	26.314	0.17	0.09	1.62	0.61			1.06	0.66<	104<	1.60
Jul	12.16	34.498	26.163	0.47	0.18	1.80	0.84			2.08	0.33	106	1.54
Aug	13.64	34.045	25.521	1.49	0.36	1.49	0.77	257.0	29.40	2.24	0.70	103	1.77
Sep	13.42	34.119	25.625	1.15	0.31	1.38	0.74			2.63	0.33	99<	1.67
Oct	12.52	34.254	25.909	3.72	0.28	3.60	0.79			0.69	0.14	96<	1.29
Nov	10.99	34.328	26.251	5.29	0.54	4.49	0.77			0.38	0.20	93	0.92
Dec	9.97	34.382	26.470	5.90	0.53	4.53	0.29			0.19	0.15<	97	0.98
Avg	10.39	34.296	26.312	3.39	0.38	3.22	0.72			1.42	0.39	99	1.31
Amp	2.94	0.088	0.565	3.15	0.17	2.27	0.16			1.17	0.32	4	0.31
Phi	5.26	0.716	-0.591	-2.59	-2.42	-2.52	2.58			2.68	2.32	3	3.87

Bottom layer - 40m - Bottom

Number of data depths = 3068
 Minimum sampled depth = 40
 Maximum sampled depth = 168

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	8.99	34.543	26.763	6.74	0.53	4.25	0.56			0.35<		89<	1.35
Feb	7.99	34.405	26.808	6.83	0.57	4.16<	0.15			0.52<		86<	1.05
Mar	7.77	34.688	27.055	6.53	0.45	4.07	2.32			0.69<		83<	1.02
Apr	7.74	34.823	27.172	4.24	0.53	3.01	0.41			0.86	0.41	80	1.24
May	8.32	34.706	26.993	4.23	0.24	1.30	1.57			0.81<		103	1.26
Jun	9.51	34.853	26.916	0.15	0.28<	1.58<	2.00			0.76<		102<	1.60
Jul	10.32	34.790	26.727	1.40	0.33	1.85	1.50			0.71	0.47	100	1.54
Aug	11.64	34.621	26.355	4.26	0.56	3.51	0.99	0.0	0.00	0.41	0.00	386	1.70
Sep	12.20	34.789	26.383	4.30	0.48	2.80	0.60			0.49		75	1.67
Oct	12.71	34.647	26.175	4.35	0.23	3.17	0.96			0.31<		95	1.29
Nov	11.26	34.673	26.472	5.70	0.59	4.30	0.56<			0.12	0.16	93	0.92
Dec	10.39	34.618	26.585	5.94	0.52	4.07	0.15			0.17		92	0.98
Avg	9.90	34.680	26.700	4.56	0.44	3.17	0.98			0.52		405	1.31
Amp	2.39	0.119	0.405	2.41	0.10	1.28	0.62			0.33		629	0.31
Phi	5.90	3.166	0.334	-2.64	-2.98	-3.15	2.22			1.55		4	3.87

North Minch (MINCHN)

Standard Deviation

North Latitude = 58.50 N
 South Latitude = 57.83 N
 West Longitude = 6.33 W
 East Longitude = 5.25 W

Total number of stations = 719

Minimum sounding (m) = 10
 Maximum sounding (m) = 180

Surface layer - 0 - 10m

Number of data depths = 1719
 Minimum sampled depth = 0
 Maximum sampled depth = 10

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.53	0.514	0.383	1.30	0.15	1.70	0.64		0.00	0.08	0.02	0	1.65
Feb	0.40	0.709	0.559	0.76	0.29	2.00	0.37			0.07	0.02	0	0.44
Mar	0.45	0.285	0.240	2.14	0.21	1.89	0.60			1.66	0.54	0	1.03
Apr	0.69	0.303	0.312	2.08	0.36	0.95	1.15			1.79	0.30		1.12
May	0.73	0.351	0.306	1.96	0.29	0.60	0.53			1.78	0.50	2	1.11
Jun	0.96	0.461	0.395	0.14	0.05	1.11	0.47			0.43			1.32
Jul	1.16	0.461	0.451	0.34	0.10	1.51	0.86			1.30	0.02	1	1.34
Aug	0.39	0.672	0.553	0.91	0.19	1.43	0.54	0.0	0.00	1.28	0.38	2	1.94
Sep	0.57	0.810	0.658	1.28	0.17	0.89	0.95			1.85	0.20		1.49
Oct	0.35	0.454	0.311	1.77	0.23	1.12	0.29			0.52	0.04		1.32
Nov	0.75	1.072	0.805	1.84	0.16	0.83	0.96			0.27	0.13	2	1.16
Dec	0.76	0.506	0.340	1.41	0.10	1.20	0.46			0.04		1	1.08

Bottom layer - 40m - Bottom

Number of data depths = 3068
 Minimum sampled depth = 40
 Maximum sampled depth = 168

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.45	0.131	0.078	1.13	0.08	0.43	0.69						1.65
Feb	0.09	0.111	0.074	0.55	0.05		0.05						0.44
Mar	0.41	0.212	0.174	0.56	0.22	0.39	0.21						1.03
Apr	0.27	0.183	0.132	1.07	0.11	0.66	0.57			0.67	0.19	0	1.12
May	0.70	0.176	0.141	1.63	0.25	0.90	0.55					12	1.11
Jun	0.90	0.196	0.133	0.05			0.60						1.32
Jul	1.05	0.227	0.184	0.98	0.11	0.81	0.63			1.08	0.30	4	1.34
Aug	1.22	0.145	0.264	2.86	0.32	1.65	0.61	0.0	0.00	0.71	0.00	689	0.00
Sep	0.85	0.213	0.222	1.86	0.14	1.33	0.95			0.51		16	1.49
Oct	0.55	0.213	0.157	0.90	0.09	0.99	0.33					3	1.32
Nov	0.53	0.157	0.190	0.86	0.15	0.82				0.01	0.00	2	1.16
Dec	0.57	0.181	0.147	1.08	0.05	0.66	0.10			0.01		6	1.08

North Coast - North (NC_N)

Mean Values

North Latitude = 59.50 N
 South Latitude = 59.00 N
 West Longitude = 5.00 W
 East Longitude = 3.00 W

Total number of stations = 546

Minimum sounding (m) = 38
 Maximum sounding (m) = 208

Surface layer - 0 - 30m

Number of data depths = 1916
 Minimum sampled depth = 0
 Maximum sampled depth = 30

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	8.46	34.926	27.145	7.41<	0.59<	3.39<				0.27<		95<	0.47
Feb	7.71	34.949	27.268	6.70	0.61	3.76	0.79			0.34<		96<	0.77
Mar	8.05	35.241	27.455	9.47	0.43	3.53	0.30			0.41		97	0.43
Apr	7.23	35.018	27.399	7.20	0.34	2.10		307.0	51.00	3.21	0.95	101<	1.06
May	9.07	34.979	27.085	1.66	0.42	0.76	0.36			4.78	0.15	106	1.19
Jun	11.12	34.979	26.734	2.53	0.58	2.17	2.03			0.37	0.01	104<	1.76
Jul	11.71	35.043	26.679	1.82<	0.42<	2.62<				0.70<		102<	1.82
Aug	12.66	35.025	26.479	1.11	0.26	3.08	1.79	250.0	34.17	1.04	0.71	100	1.72
Sep	12.06	34.996	26.573	1.82	0.30	2.08	0.78			1.20	0.54	95	1.60
Oct	12.20	35.048	26.587	4.28<	0.39<	2.48<				0.68<		95<	1.17
Nov	11.28	35.044	26.761	6.75	0.49	2.88				0.16	0.20	95	0.95
Dec	9.86	35.037	27.003	8.12	0.56	3.02				0.20		94	-0.99
Avg	10.12	35.024	26.931	4.91	0.45	2.66				1.11		98	1.00
Amp	2.58	0.010	0.448	3.70	0.10	0.67				1.13		5	0.87
Phi	5.23	-0.228	-0.766	-2.05	-1.87	-3.00				1.67		2	3.51

Bottom layer - 50m - Bottom

Number of data depths = 2056
 Minimum sampled depth = 50
 Maximum sampled depth = 191

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	8.59	34.987	27.173	6.58<	0.59<	3.53<				0.69<	0.35<		0.47
Feb	7.95	35.046	27.317	6.83	0.62	3.79	0.82			1.28<	0.66<		0.77
Mar	8.10	35.263	27.465	9.49	0.46	3.63	0.43			1.88<	0.97<		0.43
Apr	7.40	35.178	27.501	6.69<	0.56	2.53				2.48	1.27		1.06
May	8.61	35.130	27.281	3.90	0.57	1.18	0.81			2.43	0.69<	97	1.19
Jun	9.01	35.113	27.204	4.63	0.82	9.20	3.14			0.17	0.11		1.76
Jul	10.06	35.141	27.093	5.48<	0.74<	7.11<				0.20<	0.22<		1.82
Aug	10.58	35.090	26.916	6.32	0.66	5.01				0.22	0.32		1.72
Sep	11.45	35.109	26.774	5.05	0.53	2.63	1.87			0.42	0.39	92	1.60
Oct	12.00	35.143	26.699	5.56<	0.53<	2.81<				0.29<	0.30<		1.17
Nov	11.25	35.132	26.832	6.07	0.53	2.99				0.15	0.21	94	0.95
Dec	10.01	35.079	27.012	6.32<	0.56<	3.26<				0.09	0.04		-0.99
Avg	9.58	35.118	27.106	6.08	0.60	3.97				0.86	0.46		1.00
Amp	2.01	0.036	0.353	1.13	0.08	1.41				1.01	0.36		0.87
Phi	5.98	1.891	0.153	-1.77	3.00	3.19				0.21	0.14		3.51

North Coast - North (NC_N)

Standard Deviation

North Latitude = 59.50 N
 South Latitude = 59.00 N
 West Longitude = 5.00 W
 East Longitude = 3.00 W

Total number of stations = 546

Minimum sounding (m) = 38
 Maximum sounding (m) = 208

Surface layer - 0 - 30m

Number of data depths = 1916
 Minimum sampled depth = 0
 Maximum sampled depth = 30

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.38	0.152	0.084										0.54
Feb	0.31	0.170	0.150	0.70	0.14	0.26	0.49						0.78
Mar	0.38	0.125	0.112	1.97	0.21	0.20	0.00			0.09		0	0.69
Apr	0.39	0.185	0.099	0.00	0.00	0.00		0.0	0.00	1.44	0.33		0.87
May	0.88	0.240	0.153	1.03	0.07	0.43	0.18			2.39	0.10	1	1.10
Jun	0.81	0.228	0.221	1.32	0.15	0.48	0.64			0.00	0.00		1.48
Jul	0.57	0.172	0.181										1.63
Aug	0.57	0.185	0.165	0.65	0.07	1.83	0.00	23.0	3.85	0.59	0.48	3	1.42
Sep	0.59	0.191	0.188	1.08	0.08	0.89	1.24			0.74	0.21	4	1.46
Oct	0.33	0.141	0.127										1.14
Nov	0.40	0.148	0.132	1.16	0.01	0.27				0.01	0.03	2	1.13
Dec	0.46	0.109	0.060	0.50	0.02	0.72				0.01		0	0.22

Bottom layer - 50m - Bottom

Number of data depths = 2056
 Minimum sampled depth = 50
 Maximum sampled depth = 191

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.36	0.146	0.081										0.54
Feb	0.38	0.163	0.137	0.66	0.18	0.46	0.56						0.78
Mar	0.37	0.089	0.091	0.00	0.19	0.00	0.00						0.69
Apr	0.35	0.145	0.069		0.00	0.00				1.00	0.97		0.87
May	0.67	0.224	0.142	1.25	0.09	0.55	0.32			0.68		0	1.10
Jun	0.61	0.224	0.192	2.58	0.17	5.20	0.41			0.00	0.00		1.48
Jul	0.71	0.147	0.191										1.63
Aug	1.00	0.148	0.275	3.19	0.16	2.25				0.28	0.21		1.42
Sep	0.92	0.149	0.250	2.80	0.18	1.33	2.53			0.39	0.18	2	1.46
Oct	0.51	0.132	0.174										1.14
Nov	0.38	0.115	0.119	0.23	0.03	0.02				0.02	0.02	2	1.13
Dec	0.43	0.084	0.059							0.00	0.00		0.22

North Coast - South (NC_S)

Mean Values

North Latitude = 59.00 N
 South Latitude = 58.50 N
 West Longitude = 5.00 W
 East Longitude = 3.33 W

Total number of stations = 443

Minimum sounding (m) = 28
 Maximum sounding (m) = 124

Surface layer - 0 - 20m

Number of data depths = 1140
 Minimum sampled depth = 0
 Maximum sampled depth = 20

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	8.54	34.551	26.838	6.07	0.57	4.35	0.74			0.13	0.10	95<	1.37
Feb	7.04	34.505	27.007	6.77	0.58	3.76	0.48	75.0	7.40	0.29	0.15	96<	0.85
Mar	7.31	34.749	27.177	7.22	0.48	3.71	0.72			1.08	0.60<	97	0.97
Apr	6.83	34.783	27.270	5.70	0.51	2.72	0.20	128.0	21.50	3.10	1.05	101	0.87
May	8.93	34.611	26.823	1.29	0.31	0.74	0.50			3.65	0.39	110	1.07
Jun	11.04	34.665	26.506	0.10	0.32	1.41	0.69<			3.10<	0.70<	105	1.29
Jul	11.93	34.775	26.404	1.23	0.37	1.66	0.88<			2.55<	1.01<	102<	1.35
Aug	12.57	34.669	26.220	1.58	0.32	2.30	1.07	244.0	31.70	2.00	1.33	100	1.25
Sep	12.19	34.757	26.364	1.93	0.31	2.41	1.46			1.86	0.56	94	0.89
Oct	12.50	34.721	26.276	5.12	0.30	3.73	0.90<			0.26	0.13	95<	0.53
Nov	10.60	34.615	26.542	6.27	0.75	3.94	0.35			0.17	0.19	97	0.81
Dec	10.33	34.862	26.786	6.86	0.51	3.92	0.54<			0.27	0.15<	94	0.76
Avg	9.98	34.689	26.684	4.18	0.44	2.89	0.71			1.54	0.53	99	1.00
Amp	2.87	0.039	0.454	3.38	0.15	1.49	0.31			1.71	0.44	6	0.18
Phi	5.27	4.597	-0.716	-2.49	-2.49	-3.19	5.13			2.37	2.90	2	2.23

Bottom layer - 40m - Bottom

Number of data depths = 1364
 Minimum sampled depth = 40
 Maximum sampled depth = 121

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	8.29	34.684	26.982	6.80	0.68	5.40	0.47<			1.36<			1.37
Feb	7.53	34.715	27.112	6.81	0.60	3.87	0.58			2.55<			0.85
Mar	7.49	34.870	27.246	8.91	0.50	3.65	0.46			3.75<			0.97
Apr	6.79	34.813	27.300	4.53	0.51	1.97	0.63<			4.95	2.10	98	0.87
May	8.44	34.766	27.021	2.04	0.37	1.15	0.79			3.22		99	1.07
Jun	9.81	34.663	26.720	0.67	0.38	1.68	1.04<			2.33<		103	1.29
Jul	11.03	34.880	26.691	1.54<	0.43<	2.31<	1.28<			1.44<			1.35
Aug	11.85	34.785	26.450	2.42	0.48	2.95	1.52			0.55	0.97	94	1.25
Sep	12.12	34.827	26.428	2.03	0.33	2.18	2.68			1.49	0.63	93	0.89
Oct	12.59	34.871	26.372	5.10	0.30	3.50	1.47<			0.82<		177	0.53
Nov	11.17	34.811	26.596	6.45	0.70	3.67	0.26			0.14	0.22	95	0.81
Dec	10.48	34.911	26.798	6.63<	0.69<	4.54<	0.37<			0.16	0.04		0.76
Avg	9.80	34.800	26.810	4.49	0.50	3.07	0.96			1.90			1.00
Amp	2.70	0.036	0.426	3.31	0.14	1.50	0.72			1.81			0.18
Phi	5.67	-5.484	-0.372	-2.42	-2.57	-3.24	4.65			0.62			2.23

North Coast - South (NC_S)

Standard Deviation

North Latitude = 59.00 N
 South Latitude = 58.50 N
 West Longitude = 5.00 W
 East Longitude = 3.33 W

Total number of stations = 443

Minimum sounding (m) = 28
 Maximum sounding (m) = 124

Surface layer - 0 - 20m

Number of data depths = 1140
 Minimum sampled depth = 0
 Maximum sampled depth = 20

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.44	0.168	0.140	1.54	0.05	0.82	0.46			0.03	0.02		1.83
Feb	0.81	0.271	0.172	1.53	0.11	0.52	0.37	14.0	3.20	0.09	0.05		0.95
Mar	0.56	0.199	0.197	1.19	0.16	0.29	0.00			0.31		1	0.95
Apr	0.27	0.138	0.100	0.83	0.06	0.62	0.05	17.0	1.60	2.10	0.62	2	0.96
May	0.60	0.190	0.186	0.90	0.19	0.32	0.15			2.06	0.13	1	1.00
Jun	0.73	0.160	0.175	0.00	0.05	0.27						4	1.17
Jul	1.16	0.105	0.199	0.00	0.00	0.00							0.89
Aug	0.49	0.184	0.161	0.92	0.12	0.68	0.82	0.0	0.00	1.24	0.89	2	1.15
Sep	0.57	0.214	0.245	1.10	0.09	0.72	1.54			0.85	0.19	4	1.03
Oct	0.27	0.261	0.166	0.04	0.00	0.24				0.06	0.07		0.43
Nov	1.03	0.330	0.190	0.73	0.17	0.32	0.17			0.04	0.03	3	0.86
Dec	0.57	0.166	0.180	0.94	0.00	0.64				0.00		0	0.78

Bottom layer - 40m - Bottom

Number of data depths = 1364
 Minimum sampled depth = 40
 Maximum sampled depth = 121

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.32	0.198	0.129	0.10	0.07	0.00							1.83
Feb	0.64	0.166	0.127	0.76	0.15	0.67	0.44						0.95
Mar	0.46	0.205	0.163	2.01	0.20	0.05	0.00						0.95
Apr	0.33	0.147	0.096	0.00	0.05	0.34				2.23	0.81	0	0.96
May	0.56	0.165	0.155	1.20	0.22	0.37	0.50			1.40		0	1.00
Jun	0.69	0.164	0.195	0.56	0.03	0.14						2	1.17
Jul	0.49	0.103	0.075										0.89
Aug	0.58	0.132	0.181	1.04	0.07	0.78	0.51			0.65	1.13	1	1.15
Sep	0.56	0.200	0.231	1.44	0.09	0.61	2.88			0.52	0.18	1	1.03
Oct	0.25	0.140	0.081	0.00	0.00	0.00						0	0.43
Nov	0.71	0.146	0.099	1.43	0.19	0.32	0.08			0.00	0.03	2	0.86
Dec	0.50	0.187	0.189							0.00	0.00		0.78

Central Northern North Sea (CNNS)

Mean Values

North Latitude = 60.50 N
 South Latitude = 59.50 N
 West Longitude = 0.00 E
 East Longitude = 1.50 W

Total number of stations = 447

Minimum sounding (m) = 92
 Maximum sounding (m) = 193

Surface layer - 0 - 30m

Number of data depths = 2070
 Minimum sampled depth = 0
 Maximum sampled depth = 30

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	8.16<	35.305<	27.487<	8.48<	0.78<	3.69<				0.36<		96<	-0.99<
Feb	7.68	35.373	27.615	8.88<	0.73<	4.17<				0.36<		96<	-0.99
Mar	6.81	35.242	27.635	9.28	0.68	4.66				0.37		97	0.47
Apr	7.34	35.290	27.596	5.64	0.61	3.18		71.0	9.85	3.42	1.02	101<	0.74
May	8.43	35.285	27.430	4.08	0.35	1.39	1.35	171.0	20.42	2.38	0.66	105	1.40
Jun	10.86	35.244	26.989	1.43	0.26	0.60		288.0	13.13	1.20	0.22	107	1.90
Jul	12.03	34.953	26.521	0.66	0.15	0.72	1.38	196.0	25.33	0.69	0.10	96	2.12
Aug	13.74	34.945	26.158	3.12	0.13<	0.88<				0.17	0.10	97<	2.21
Sep	11.93	35.150	26.719	1.33	0.12	1.03				0.98		97	2.06
Oct	11.23	35.248	26.925	4.40	0.39	1.95	1.17	30.0		0.73	0.47	100	1.86
Nov	9.59	35.239	27.207	9.71	0.60	4.12		165.0		0.35		94	1.55
Dec	8.65	35.236	27.359	8.07	0.83	3.20				0.35<		95<	-0.99
Avg	9.70	35.209	27.137	5.42	0.47	2.47				0.95		98	0.95
Amp	2.86	0.138	0.606	4.25	0.35	1.91				0.83		4	1.59
Phi	4.87	-1.591	-1.253	-2.28	-2.04	-2.10				1.40		2	4.07

Bottom layer - 60m - Bottom

Number of data depths = 2272
 Minimum sampled depth = 60
 Maximum sampled depth = 160

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	8.19<	35.305<	27.484<	12.99<	0.79<	6.58<						87<	-0.99<
Feb	7.69	35.373	27.614	12.23<	0.72<	5.75<						92<	-0.99
Mar	6.69	35.251	27.658	11.47	0.65	4.93						96	0.47
Apr	7.10	35.292	27.635	8.66	0.64	3.35				1.87	1.21	95<	0.74
May	7.39	35.318	27.611	8.85	0.69	4.09	1.59			0.83	0.27	94	1.40
Jun	7.53	35.285	27.566	8.76	0.75	3.75						88	1.90
Jul	7.80	35.328	27.556	10.60	0.75	4.67				0.01		86<	2.12
Aug	7.73	35.299	27.550	12.85	0.80<	5.77<						84<	2.21
Sep	8.48	35.316	27.441	10.63	0.85	6.87				0.45		82	2.06
Oct	9.08	35.318	27.349	10.60	0.83	6.11	1.27			0.05	0.11	89	1.86
Nov	8.47	35.324	27.454	14.51	0.93	8.23						78	1.55
Dec	8.69	35.238	27.354	13.75<	0.86<	7.40<						82<	-0.99
Avg	7.90	35.304	27.523	11.32	0.77	5.63						88	0.95
Amp	0.86	0.006	0.128	2.16	0.11	1.93						6	1.59
Phi	-5.13	4.966	0.934	-3.95	-5.20	-4.43							4.07

Central Northern North Sea (CNNS)

Standard Deviation

North Latitude = 60.50 N
 South Latitude = 59.50 N
 West Longitude = 0.00 E
 East Longitude = 1.50 W

Total number of stations = 447

Minimum sounding (m) = 92
 Maximum sounding (m) = 193

Surface layer - 0 - 30m

Number of data depths = 2070
 Minimum sampled depth = 0
 Maximum sampled depth = 30

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan													
Feb	0.16	0.009	0.016										-0.99
Mar	0.35	0.034	0.048	1.48	0.03	0.59				0.09		1	0.26
Apr	0.47	0.058	0.079	2.85	0.07	1.70		22.0	2.65	4.98	1.27		0.69
May	0.92	0.122	0.150	2.34	0.10	0.93	1.40	63.0	9.92	2.08	0.88	5	1.04
Jun	1.12	0.161	0.203	1.51	0.11	0.30		224.0	3.57	1.11	0.26	4	1.36
Jul	1.21	0.441	0.452	0.39	0.09	0.46	0.00	81.0	10.25	0.46	0.09	0	1.59
Aug	1.95	0.358	0.485	1.75						0.05	0.08		1.59
Sep	0.52	0.180	0.205	1.01	0.01	0.46				0.18		1	1.49
Oct	0.94	0.091	0.173	2.01	0.15	1.40	0.45	8.0		0.35	0.21	3	1.53
Nov	0.71	0.047	0.139	2.74	0.12	0.64		42.0		0.13		1	1.40
Dec	0.43	0.043	0.053	0.16	0.02	0.09							0.26

Bottom layer - 60m - Bottom

Number of data depths = 2272
 Minimum sampled depth = 60
 Maximum sampled depth = 160

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan													
Feb	0.16	0.009	0.016										-0.99
Mar	0.34	0.041	0.042	0.00	0.03	1.06						0	0.26
Apr	0.40	0.051	0.053	1.06	0.03	1.13				2.29	0.89		0.69
May	0.67	0.051	0.071	1.87	0.09	1.51	0.31			0.38	0.17	0	1.04
Jun	0.49	0.092	0.067	1.22	0.10	0.58						0	1.36
Jul	0.56	0.060	0.080	1.08	0.07	0.62				0.00			1.59
Aug	0.82	0.058	0.112	0.85									1.59
Sep	1.17	0.044	0.182	1.16	0.03	0.41				0.04		1	1.49
Oct	1.22	0.053	0.200	4.38	0.04	0.63	0.52			0.06	0.10	8	1.53
Nov	0.88	0.051	0.131	1.38	0.00	0.00						0	1.40
Dec	0.43	0.039	0.054										0.26

Offshore Northern North Sea (ONNS)

Mean Values

North Latitude = 59.30 N
 South Latitude = 59.27 N
 West Longitude = 1.57 W
 East Longitude = 0.03 E

Total number of stations = 924

Minimum sounding (m) = 88
 Maximum sounding (m) = 145

Surface layer - 0 - 30m

Number of data depths = 4671
 Minimum sampled depth = 0
 Maximum sampled depth = 30

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	7.57	35.135	27.441	7.28	0.75	3.44	0.35<			0.21<	0.13<	95<	0.63
Feb	6.98	35.178	27.560	7.90	0.55	3.99	0.05			0.29<	0.17<	96<	-0.99
Mar	6.97	35.167	27.552	7.50	0.81	3.12	0.17<			0.36	0.21	96<	0.44
Apr	7.35	35.236	27.553	6.30	0.44	2.27	0.29	216.0	38.43	2.04	0.86	97	0.75
May	8.13	35.219	27.423	3.59	0.30	1.27	0.67	476.0	67.21	1.69	0.49	99	1.22
Jun	10.25	35.196	27.052	0.94	0.21	0.68	0.90	253.0	29.63	1.68	0.74	105	1.81
Jul	10.78	35.123	26.902	0.79	0.17	0.66	0.84	277.0	43.42	1.22	0.29	105	1.73
Aug	12.28	35.141	26.639	0.91	0.24	0.92	0.36	174.0	21.45	0.68	0.43	104	2.00
Sep	12.54	35.205	26.639	2.53	0.26	1.19	0.36			0.70	0.46	96	1.98
Oct	11.40	35.165	26.828	3.42	0.37	1.59	1.38	58.0		0.63	0.28	95	1.83
Nov	9.57	35.174	27.159	6.32	0.54	3.24	1.01<			0.28	0.19	94<	1.10
Dec	9.13	35.190	27.244	8.22	0.59	3.20	0.64			0.13	0.08	94	0.72
Avg	9.41	35.177	27.166	4.64	0.44	2.13	0.58			0.83	0.36	98	1.10
Amp	2.72	0.016	0.465	3.86	0.27	1.60	0.30			0.76	0.24	5	1.06
Phi	5.12	0.528	-0.859	-2.11	-2.15	-2.31	5.50			2.20	2.38	3	4.53

Bottom layer - 50m - Bottom

Number of data depths = 5132
 Minimum sampled depth = 50
 Maximum sampled depth = 141

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	7.60	35.153	27.451	7.45	0.79	3.41	0.44<			0.19<	0.12<		0.63
Feb	6.98	35.197	27.575	8.96	0.58	4.15	0.28			0.25<	0.14<		-0.99
Mar	6.98	35.176	27.559	7.67	0.82	3.02	0.43<			0.31	0.17		0.44
Apr	7.19	35.253	27.590	7.68	0.54	2.75	0.59	85.0	16.87	0.85	0.51		0.75
May	7.40	35.242	27.551	6.75	0.52	2.25	1.17			0.71	0.41		1.22
Jun	7.42	35.233	27.539	5.51	0.63	2.51	1.93			0.39	0.46	93	1.81
Jul	7.50	35.176	27.480	5.52	0.54	2.51	1.93			0.32	0.30	98	1.73
Aug	8.59	35.219	27.343	7.71	0.68	3.59	0.76		0.25	0.16	0.21		2.00
Sep	9.39	35.282	27.261	8.90	0.60	3.73	0.37			0.25	1.32	80	1.98
Oct	9.43	35.240	27.223	8.54	0.70	3.59	1.37			0.25	0.14	85	1.83
Nov	9.15	35.192	27.238	7.31	0.65	3.72	0.99<			0.20	0.17		1.10
Dec	9.06	35.208	27.269	8.65	0.61	3.37	0.61			0.13	0.09	86	0.72
Avg	8.06	35.214	27.423	7.55	0.64	3.22	0.91			0.34	0.34		1.10
Amp	1.24	0.024	0.191	1.06	0.06	0.63	0.52			0.23	0.21		1.06
Phi	-5.55	3.941	0.616	-3.56	-3.22	-4.13	3.59			1.23	3.88		4.53

Offshore Northern North Sea (ONNS)

Standard Deviation

North Latitude = 59.30 N
 South Latitude = 59.27 N
 West Longitude = 1.57 W
 East Longitude = 0.03 E

Total number of stations = 924

Minimum sounding (m) = 88
 Maximum sounding (m) = 145

Surface layer - 0 - 30m

Number of data depths = 4671
 Minimum sampled depth = 0
 Maximum sampled depth = 30

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.65	0.063	0.106	0.32	0.09	0.20							0.78
Feb	0.62	0.122	0.107	0.30	0.04	0.66	0.05						-0.99
Mar	0.61	0.051	0.096	0.80	0.14	0.27				0.12	0.08		0.49
Apr	0.65	0.065	0.105	2.29	0.19	1.23	0.15	194.0	28.19	2.00	0.99	0	0.76
May	0.81	0.098	0.124	2.78	0.18	1.08	0.44	157.0	22.42	1.55	0.49	0	1.15
Jun	1.38	0.081	0.248	0.96	0.12	0.52	0.89	117.0	8.83	1.95	0.79	4	1.41
Jul	1.33	0.122	0.265	0.94	0.15	0.48	1.01	127.0	17.74	1.03	0.28	1	1.54
Aug	1.14	0.128	0.273	1.15	0.17	0.75	0.32	56.0	9.68	0.52	0.38	0	1.66
Sep	0.97	0.083	0.214	1.99	0.23	0.68	0.29			0.38	0.46	0	1.71
Oct	0.93	0.102	0.184	1.89	0.20	0.87	0.36	0.0		0.34	0.21	2	1.63
Nov	0.78	0.053	0.138	1.03	0.13	0.50				0.11	0.07		1.18
Dec	0.62	0.095	0.124	1.24	0.14	0.44	0.55			0.04	0.06	0	0.95

Bottom layer - 50m - Bottom

Number of data depths = 5132
 Minimum sampled depth = 50
 Maximum sampled depth = 141

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.65	0.040	0.098	0.40	0.09	0.08							0.78
Feb	0.63	0.093	0.095	2.00	0.09	0.50	0.18						-0.99
Mar	0.57	0.047	0.086	0.72	0.14	0.36				0.14	0.07		0.49
Apr	0.53	0.056	0.079	1.22	0.14	0.94	0.27	76.0	12.96	0.81	0.37		0.76
May	0.63	0.089	0.082	2.44	0.16	1.12	0.74			0.75	0.46		1.15
Jun	0.87	0.065	0.121	2.62	0.17	1.07	0.88			0.61	0.45	3	1.41
Jul	1.10	0.085	0.159	3.11	0.19	1.19	1.10			0.33	0.26	2	1.54
Aug	1.54	0.058	0.235	3.11	0.21	1.29	0.83		0.00	0.19	0.19		1.66
Sep	1.69	0.054	0.289	3.11	0.24	1.41	0.33			0.25	10.11	0	1.71
Oct	1.62	0.078	0.285	3.06	0.26	1.25	0.34			0.24	0.15	5	1.63
Nov	1.08	0.047	0.178	1.82	0.19	0.88				0.13	0.07		1.18
Dec	0.66	0.090	0.121	1.58	0.13	0.69	0.55			0.04	0.08	8	0.95

Fair Isle Current (FIC)

Mean Values

North Latitude = 59.30 N
 South Latitude = 59.27 N
 West Longitude = 2.33 W
 East Longitude = 1.83 W

Total number of stations = 368
 Minimum sounding (m) = 60
 Maximum sounding (m) = 102

Surface layer - 0 - 30m

Number of data depths = 1901
 Minimum sampled depth = 0
 Maximum sampled depth = 30

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	7.86	34.721	27.074	6.25	0.70	3.98	0.80<			0.25<	0.19<		0.02
Feb	6.96	34.924	27.363	7.60	0.63	4.10	0.83<			0.35<	0.26<		0.27<
Mar	7.40	34.773	27.183	6.78	0.69	2.84<	0.86<			0.46	0.32		0.52
Apr	7.47	34.864	27.242	4.64	0.41	1.59	0.89	208.0	41.00	2.40	0.73		0.39
May	8.34	34.959	27.188	3.03	0.31	1.10	1.02	230.0	55.65	1.42	0.58		0.58
Jun	9.83	34.846	26.858	1.32	0.31	1.26	1.03	352.0	48.90	1.72	0.79	104	0.92
Jul	10.15	34.851	26.808	1.40	0.30	1.50	1.13			1.11	0.75	100	0.77
Aug	11.93	34.844	26.480	1.51	0.35	1.86	0.77	224.0	29.25	2.05	0.87	98	0.96
Sep	12.57	34.982	26.460	3.21	0.35	1.81	0.30			0.42	0.32		0.30
Oct	12.24	34.927	26.486	3.83	0.43	2.13	1.16			0.41	0.19		0.42
Nov	10.58	34.888	26.761	5.11	0.49	2.83	0.97<			0.31	0.24		-0.99
Dec	9.61	34.871	26.916	6.68	0.54	3.09	0.78			0.15	0.12	94	0.05
Avg	9.58	34.871	26.902	4.28	0.46	2.34	0.88			0.92	0.45		0.35
Amp	2.64	0.039	0.415	2.96	0.19	1.24	0.08			0.85	0.34		0.53
Phi	5.46	4.866	-0.484	-2.23	-2.24	-2.74	1.51			2.35	2.67		2.50

Bottom layer - 50m - Bottom

Number of data depths = 1637
 Minimum sampled depth = 50
 Maximum sampled depth = 99

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	8.00	34.762	27.086	6.37	0.73	3.83	0.83<			0.26<	0.19<		0.02
Feb	7.04	34.926	27.353	7.80	0.66	4.60	0.88<			0.37<	0.25<		0.27<
Mar	7.57	34.834	27.207	7.32	0.74	3.08<	0.93<			0.47	0.32		0.52
Apr	7.59	34.911	27.262	4.65	0.41	1.56	0.98	231.0	34.95	2.40	1.09		0.39
May	8.32	35.001	27.225	3.42	0.32	1.25	0.99			1.33	0.64		0.58
Jun	9.53	34.908	26.958	1.26	0.35	1.26	1.81			1.37	0.84	101	0.92
Jul	9.93	34.917	26.899	1.64	0.30	1.56	1.66			0.97	0.74	102	0.77
Aug	11.69	34.908	26.574	1.75	0.41	1.98	0.98			0.66	0.63	94	0.96
Sep	12.60	35.012	26.479	3.22	0.36	1.81	0.30			0.42	0.30		0.30
Oct	12.25	34.962	26.511	3.97	0.42	2.10	1.26			0.36	0.14		0.42
Nov	10.71	34.933	26.774	5.40	0.49	3.00	1.02<			0.37	0.24		-0.99
Dec	9.68	34.903	26.929	6.68	0.54	3.02	0.78			0.15	0.13		0.05
Avg	9.58	34.915	26.938	4.46	0.48	2.42	1.03			0.76	0.46		0.35
Amp	2.54	0.050	0.398	2.99	0.19	1.26	0.27			0.70	0.37		0.53
Phi	5.57	4.378	-0.303	-2.19	-2.15	-2.63	2.65			1.71	2.13		2.50

Fair Isle Current (FIC)

Standard Deviation

North Latitude = 59.30 N
 South Latitude = 59.27 N
 West Longitude = 2.33 W
 East Longitude = 1.83 W

Total number of stations = 368
 Minimum sounding (m) = 60
 Maximum sounding (m) = 102

Surface layer - 0 - 30m

Number of data depths = 1901
 Minimum sampled depth = 0
 Maximum sampled depth = 30

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.55	0.100	0.080	0.24	0.09	0.20							0.29
Feb	0.43	0.164	0.144	0.00	0.00	0.00							
Mar	0.48	0.097	0.109	1.22	0.10					0.10	0.09		0.64
Apr	0.71	0.144	0.148	2.33	0.19	1.15	0.09	32.0	7.79	2.10	0.60		0.50
May	0.74	0.152	0.170	1.45	0.14	0.78	0.44	54.0	9.75	0.98	0.47		0.66
Jun	0.64	0.160	0.171	1.08	0.12	0.69	0.64	68.0	8.83	0.97	0.28	3	1.11
Jul	0.58	0.159	0.152	0.67	0.09	0.61	0.31			0.55	0.27	0	0.77
Aug	0.56	0.113	0.146	0.96	0.12	0.79	0.23	21.0	2.56	2.71	0.91	5	0.92
Sep	0.89	0.080	0.162	1.20	0.16	0.44	0.26			0.23	0.27		0.45
Oct	0.63	0.115	0.163	0.95	0.18	0.26	0.28			0.16	0.13		0.73
Nov	0.67	0.151	0.104	0.74	0.07	0.58				0.16	0.15		-0.99
Dec	0.62	0.159	0.165	1.04	0.16	0.65	0.64			0.04	0.09	0	0.43

Bottom layer - 50m - Bottom

Number of data depths = 1637
 Minimum sampled depth = 50
 Maximum sampled depth = 99

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.54	0.106	0.092	0.26	0.11	0.12							0.29
Feb	0.48	0.168	0.159	0.00	0.00	0.00							
Mar	0.38	0.098	0.108	0.48	0.04					0.06	0.07		0.64
Apr	0.65	0.141	0.143	2.45	0.17	1.11	0.16	70.0	4.55	2.22	0.92		0.50
May	0.63	0.152	0.150	1.45	0.13	0.84	0.41			1.11	0.49		0.66
Jun	0.53	0.168	0.160	0.73	0.11	0.58	0.91			0.64	0.42	1	1.11
Jul	0.53	0.156	0.158	0.80	0.11	0.59	0.62			0.48	0.29	2	0.77
Aug	0.62	0.130	0.176	0.78	0.11	0.94	0.11			0.39	0.29	1	0.92
Sep	0.83	0.082	0.151	1.10	0.16	0.43	0.25			0.22	0.24		0.45
Oct	0.60	0.113	0.161	0.94	0.17	0.26	0.30			0.14	0.07		0.73
Nov	0.72	0.152	0.088	0.74	0.07	0.59				0.18	0.13		-0.99
Dec	0.62	0.167	0.170	0.97	0.15	0.68	0.65			0.04	0.09		0.43

Cooled Atlantic Water (CAW)

Mean Values

North Latitude = 59.00 N
 South Latitude = 58.00 N
 West Longitude = 0.00 E
 East Longitude = 1.50 E

Total number of stations = 589
 Minimum sounding (m) = 100
 Maximum sounding (m) = 167

Surface layer - 0 - 30m

Number of data depths = 2093
 Minimum sampled depth = 0
 Maximum sampled depth = 30

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	8.10	35.204	27.419	8.45	0.68	3.74	0.67	47.0	2.55<	0.16	0.07	94	1.34
Feb	7.50	35.221	27.520	8.69	0.62	3.64	0.42	47.0<	0.30	0.29<	0.09<	100	0.17
Mar	6.91	35.234	27.615	8.96	0.61	4.45	0.37	47.0	13.74<	0.41	0.12	97	0.05
Apr	6.95	35.141	27.541	3.63	0.40	1.64	0.84	179.0	27.18	4.91	1.09	98	1.06
May	8.13	35.090	27.322	1.17	0.28	0.70	0.34	166.0	22.19	1.56	0.52	109	1.63
Jun	10.88	35.064	26.838	0.43	0.16	0.62	0.32	151.0	11.63	0.70	0.23	104	1.99
Jul	12.61	35.072	26.455	0.77	0.14	1.02	2.55	123.0	16.12	0.31	0.07	102	2.21
Aug	14.02	35.039	26.181	0.59	0.18	0.51	2.25<	90.0		0.48	0.03	100<	2.25
Sep	12.76	35.084	26.504	0.43	0.05	2.36	1.94<	103.0		1.01	0.19<	97	2.15
Oct	11.63	35.114	26.747	1.99	0.23	1.09	1.64	78.0		0.94	0.35	100	2.05
Nov	9.05	35.207	27.271	7.87	0.61	3.58	1.32<	118.0		0.36	0.14	94	1.55
Dec	8.70	35.250	27.361	8.92	0.58	3.02	1.00<	48.0	4.80	0.14	0.06	93	0.92
Avg	9.77	35.143	27.064	4.32	0.38	2.20	1.14	100.0		0.94	0.25	99	1.45
Amp	3.21	0.098	0.634	4.97	0.30	1.66	0.88	47.0		0.83	0.19	5	0.95
Phi	4.88	-2.322	-1.316	-2.30	-2.10	-2.45	5.28	2.0		1.17	1.02	2	4.67

Bottom layer - 60m - Bottom

Number of data depths = 2310
 Minimum sampled depth = 60
 Maximum sampled depth = 166

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	8.05	35.209	27.431	8.80	0.70	3.90	0.75	49.0		0.22	0.01	95	1.34
Feb	7.51	35.230	27.526	8.60	0.63	3.70	0.63	54.0<	0.10	0.37<	0.25<	100	0.17
Mar	6.91	35.243	27.621	8.26	0.61	4.09	0.27	59.0		0.51	0.48<	97	0.05
Apr	6.73	35.188	27.603	8.77	0.60	3.18	1.25	48.0		1.16	0.71	95	1.06
May	6.48	35.154	27.611	7.85	0.63	3.33	0.81<	99.0	13.83	0.23	0.41	94	1.63
Jun	7.00	35.149	27.535	8.37	0.72	4.05	0.37	68.0		0.08	0.42	90	1.99
Jul	7.01	35.224	27.596	9.38	0.69	4.37	0.61<	65.0<		0.08<	0.36<	88<	2.21
Aug	7.25	35.176	27.524	11.42	0.82	4.72	0.86<	63.0		0.07	0.31<	86<	2.25
Sep	7.31	35.159	27.499	9.42	0.66	6.19	1.10<	90.0		0.42	0.26<	83	2.15
Oct	7.71	35.201	27.472	9.41	0.83	4.87	1.35	70.0		0.08	0.21	87	2.05
Nov	7.68	35.255	27.517	10.79	0.76	4.99	1.15<	67.0		0.16	0.12<	82	1.55
Dec	8.63	35.266	27.383	9.76	0.65	3.52	0.95<	58.0<		0.04	0.04	86	0.92
Avg	7.36	35.204	27.527	9.23	0.69	4.24	0.84	66.0		0.29	0.30	90	1.45
Amp	0.72	0.039	0.081	1.06	0.08	0.93	0.26	11.0		0.24	0.22	7	0.95
Phi	-3.98	-2.984	1.684	-5.78	5.73	5.78	-5.26	4.0		-0.01	1.68		4.67

Cooled Atlantic Water (CAW)

Standard Deviation

North Latitude = 59.00 N
 South Latitude = 58.00 N
 West Longitude = 0.00 E
 East Longitude = 1.50 E

Total number of stations = 589

Minimum sounding (m) = 100
 Maximum sounding (m) = 167

Surface layer - 0 - 30m

Number of data depths = 2093
 Minimum sampled depth = 0
 Maximum sampled depth = 30

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.29	0.064	0.056	1.27	0.16	0.50	0.78	3.0		0.03	0.03	0	1.85
Feb	0.47	0.057	0.071	1.35	0.14	0.57	0.44		0.28			1	0.42
Mar	0.41	0.057	0.070	2.04	0.18	1.06	0.20	4.0		0.19	0.00	0	0.21
Apr	0.47	0.099	0.097	2.78	0.15	1.70	0.44	49.0	8.15	4.35	1.31	0	0.70
May	0.75	0.074	0.140	1.11	0.10	0.74	0.14	57.0	5.91	1.09	0.33	3	1.21
Jun	1.51	0.116	0.286	0.56	0.09	0.55	0.23	71.0	2.53	0.83	0.13	4	1.47
Jul	1.25	0.129	0.268	0.32	0.08	0.48	0.25	56.0	4.87	0.19	0.03	1	1.48
Aug	1.67	0.146	0.376	0.40	0.09	0.50		48.0		0.32	0.02		1.35
Sep	0.87	0.131	0.223	0.54	0.05	1.17		20.0		0.23		1	1.42
Oct	0.52	0.093	0.091	1.17	0.09	0.56	1.24	4.0		0.50	0.25	3	1.29
Nov	0.57	0.057	0.102	1.83	0.13	1.22		43.0		0.19	0.00	1	1.15
Dec	0.69	0.038	0.096	1.03	0.08	0.44		0.0	0.00	0.04	0.02	1	1.03

Bottom layer - 60m - Bottom

Number of data depths = 2310
 Minimum sampled depth = 60
 Maximum sampled depth = 166

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.29	0.060	0.048	1.17	0.10	0.49	0.81	2.0		0.06	0.00	0	1.85
Feb	0.45	0.052	0.071	1.41	0.12	0.63	0.35		0.00			0	0.42
Mar	0.43	0.051	0.069	1.21	0.28	1.13	0.14	0.0		0.17		1	0.21
Apr	0.43	0.068	0.077	1.28	0.09	0.84	0.05	13.0		0.77	0.31	0	0.70
May	0.41	0.044	0.072	1.54	0.09	1.24		31.0	8.00	0.26	0.21	0	1.21
Jun	0.42	0.074	0.071	2.06	0.09	0.95	0.31	30.0		0.06	0.10	2	1.47
Jul	0.35	0.085	0.062	1.75	0.07	0.38							1.48
Aug	0.45	0.092	0.090	1.34	0.10	1.22		58.0		0.09			1.35
Sep	0.52	0.068	0.090	1.53	0.18	1.56		28.0		0.13		1	1.42
Oct	0.77	0.086	0.130	3.02	0.08	0.70	0.43	20.0		0.09	0.15	5	1.29
Nov	0.94	0.069	0.159	2.36	0.16	1.57		11.0		0.15		5	1.15
Dec	0.74	0.031	0.105	2.46	0.14	1.24				0.04	0.01	8	1.03

East Shetland - Inshore (ES_I)

Mean Values

North Latitude = 61.00 N
 South Latitude = 60.00 N
 West Longitude = 1.00 W
 East Longitude = 0.50 W

Total number of stations = 490

Minimum sounding (m) = 7
 Maximum sounding (m) = 150

Surface layer - 0 - 30m

Number of data depths = 2431
 Minimum sampled depth = 0
 Maximum sampled depth = 30

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	8.36	35.237	27.405	8.49	0.65	3.12	0.99	57.0<		0.10	0.09	92	-0.99
Feb	8.06	35.322	27.518	8.91	0.61	3.77	0.58	55.0<		0.23<	0.19<	95<	-0.99
Mar	7.51	35.267	27.555	8.56	0.72	3.45	0.66<	53.0		0.35	0.29<	97	-0.99
Apr	8.20	35.317	27.489	7.03	0.54	2.88	0.74	84.0	22.70	0.75	0.39	99	0.76
May	8.88	35.324	27.393	3.22	0.37	1.39	0.99	50.0	4.95	2.12	0.37	103<	0.89
Jun	10.32	35.309	27.135	4.04	0.40	1.09	1.65<	176.0	18.80	1.59	0.08	107	1.50
Jul	11.39	35.216	26.879	2.61	0.22	1.86	2.31	138.0<		2.20	0.54	102	1.62
Aug	12.65	35.225	26.621	0.61	0.24	1.16	2.97	101.0<		1.42	0.51	97	1.78
Sep	11.93	35.218	26.772	3.68	0.38	1.74	1.33	63.0		0.68	0.25	87	1.06
Oct	11.52	35.238	26.864	6.12	0.48	2.92	1.62	88.0<		0.34	0.16	95	0.64
Nov	9.64	35.251	27.208	9.55	0.53	4.34	1.34	114.0		0.20	0.13	94	1.48
Dec	9.19	35.245	27.278	8.81	0.61	2.62	0.87	59.0	3.80	0.12	0.07	93<	-0.99
Avg	9.80	35.264	27.176	5.97	0.48	2.53	1.34	86.0		0.84	0.26	97	0.48
Amp	2.28	0.044	0.420	3.80	0.20	1.20	0.82	33.0		0.98	0.15	6	1.37
Phi	4.97	0.234	-0.934	-2.38	-2.03	-2.65	4.55	3.0		2.86	2.82	2	4.05

Bottom layer - 50m - Bottom

Number of data depths = 2268
 Minimum sampled depth = 50
 Maximum sampled depth = 148

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	8.35	35.236	27.405	8.13	0.70	3.19	1.42			0.21<		96<	-0.99
Feb	8.05	35.322	27.518	9.25	0.63	3.79	0.82			0.29<		96<	-0.99
Mar	7.32	35.319	27.624	9.47	0.67	3.60	0.65<	79.0		0.37		97	-0.99
Apr	7.96	35.321	27.531	7.47	0.54	2.23	0.47			1.20	0.42	97	0.76
May	8.41	35.332	27.474	5.33	0.56	2.23	0.81			0.87	0.09	99<	0.89
Jun	9.01	35.311	27.357	8.52	0.73	2.71	1.22<			0.78<		101	1.50
Jul	9.56	35.324	27.267	0.54	0.52	3.14	1.64			0.68<		97	1.62
Aug	10.66	35.297	27.067	7.15	0.43<	3.57<	0.90<			0.59<		90<	1.78
Sep	11.42	35.242	26.885	5.64	0.34	3.99	0.15	51.0		0.50	0.44	83	1.06
Oct	11.46	35.249	26.884	6.25	0.55	2.86	1.54			0.44	0.20	89<	0.64
Nov	10.01	35.263	27.154	9.02	0.58	3.48	0.74			0.28<		95	1.48
Dec	9.19	35.248	27.280	8.26	0.44	2.68	0.87			0.12	0.06	96<	-0.99
Avg	9.28	35.289	27.287	7.09	0.56	3.12	0.94			0.53		95	0.48
Amp	1.80	0.045	0.325	2.20	0.10	0.34	0.10			0.35		5	1.37
Phi	5.67	1.353	-0.172	-2.13	-0.47	-4.88	5.15			2.22			4.05

East Shetland - Inshore (ES_I)

Standard Deviation

North Latitude = 61.00 N
 South Latitude = 60.00 N
 West Longitude = 1.00 W
 East Longitude = 0.50 W

Total number of stations = 490

Minimum sounding (m) = 7
 Maximum sounding (m) = 150

Surface layer - 0 - 30m

Number of data depths = 2431
 Minimum sampled depth = 0
 Maximum sampled depth = 30

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.36	0.082	0.046	1.04	0.08	0.35	1.32			0.00	0.00	0	0.32
Feb	0.46	0.069	0.073	1.18	0.24	0.53	0.41						-0.99
Mar	0.56	0.102	0.143	1.73	0.05	0.65		4.0		0.12		0	-0.99
Apr	0.83	0.049	0.111	2.73	0.15	1.46	0.05	19.0	0.00	0.29	0.22	3	0.74
May	0.58	0.044	0.091	1.75	0.28	0.70	0.88	13.0	0.85	1.72	0.59		0.95
Jun	0.82	0.028	0.134	1.83	0.12	1.20		49.0	5.48	1.13	0.06	4	1.22
Jul	0.81	0.198	0.207	1.40	0.18	0.56	0.83			1.76	0.20	1	1.58
Aug	0.91	0.113	0.210	0.64	0.07	0.29	1.25			0.87	0.05	0	1.54
Sep	0.48	0.060	0.087	1.29	0.26	0.36	0.70	3.0		0.34	0.17	15	1.57
Oct	0.61	0.054	0.099	1.12	0.11	0.45	0.70			0.11	0.06	0	0.93
Nov	0.72	0.127	0.127	0.78	0.05	1.07	0.69	0.0		0.09	0.05	1	2.08
Dec	0.56	0.056	0.091	1.12	0.16	0.48	0.77	0.0	0.00	0.01	0.02		-0.99

Bottom layer - 50m - Bottom

Number of data depths = 2268
 Minimum sampled depth = 50
 Maximum sampled depth = 148

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.37	0.079	0.049	0.72	0.10	0.22	1.79						0.32
Feb	0.45	0.065	0.072	1.71	0.21	0.69	0.68						-0.99
Mar	0.50	0.020	0.078	1.53	0.05	0.59		40.0		0.03		1	-0.99
Apr	0.68	0.036	0.087	2.47	0.18	1.19	0.02			0.94	0.16	0	0.74
May	0.49	0.040	0.072	2.08	0.26	0.94	0.39			0.59	0.12		0.95
Jun	0.83	0.032	0.132	1.20	0.15	0.95						7	1.22
Jul	0.70	0.093	0.166	0.00	0.32	2.06	0.00					0	1.58
Aug	0.94	0.061	0.191	2.71									1.54
Sep	0.80	0.052	0.157	2.86	0.23	2.87	0.19	0.0		0.20	0.32	1	1.57
Oct	0.60	0.054	0.105	0.95	0.28	0.71	0.06			0.06	0.09		0.93
Nov	0.57	0.076	0.121	1.18	0.14	0.58	0.37					2	2.08
Dec	0.58	0.055	0.093	1.82	0.14	0.51	0.72			0.01	0.01		-0.99

East Shetland - Offshore (ES_0)

Mean Values

North Latitude = 61.00 N
 South Latitude = 60.00 N
 West Longitude = 0.50 W
 East Longitude = 0.00 E

Total number of stations = 329
 Minimum sounding (m) = 13
 Maximum sounding (m) = 164

Surface layer - 0 - 30m

Number of data depths = 1472
 Minimum sampled depth = 0
 Maximum sampled depth = 30

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	6.86	35.107	27.523	8.54<	0.68<	3.05<							-0.99<
Feb	8.07	35.339	27.527	8.50	0.62	3.42	0.51						-0.99
Mar	7.54	35.405	27.660	10.70	0.47	3.65	0.50	39.0		0.24		97	-0.99
Apr	8.27	35.343	27.498	7.16	0.64	4.21				1.27	0.35	101	0.75
May	8.90	35.322	27.395	3.98	0.35	1.88	0.19	201.0		1.71	0.23	104	1.26
Jun	11.28	35.325	26.975	6.22	0.35	0.93		181.0	22.05	2.58	0.09	102	0.99
Jul	11.53	35.129	26.775	1.40	0.17	0.29				0.53	0.13		1.99
Aug	13.60	35.157	26.380	2.72	0.09<	1.89<				0.51	0.23		2.13
Sep	11.79	35.261	26.831	3.27	0.02	3.49		85.0		0.93		92	1.67
Oct	11.71	35.278	26.857	3.02	0.24	0.83		66.0		0.48	0.25	94	1.50
Nov	10.11	35.124	27.029	5.80<	0.49<	1.75<							-0.99
Dec	9.24	35.253	27.277	8.57	0.75	2.67							-0.99
Avg	9.91	35.254	27.144	5.82	0.41	2.34							0.44
Amp	2.69	0.082	0.510	3.60	0.29	1.10							1.66
Phi	4.77	0.322	-1.059	-1.51	-1.68	-1.42							3.82

Bottom layer - 50m - Bottom

Number of data depths = 1832
 Minimum sampled depth = 50
 Maximum sampled depth = 158

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	8.65<	35.297<	27.404<	7.74<	0.65<	3.02<							-0.99<
Feb	8.05	35.340	27.533	8.71	0.67	3.39	0.70						-0.99
Mar	7.57	35.399	27.652	9.97	0.50	3.76	0.29						-0.99
Apr	8.04	35.342	27.535	9.48	0.65	4.60				0.74	0.22	97	0.75
May	8.11	35.330	27.524	6.24	0.55	2.67	0.32			0.61	0.05	81	1.26
Jun	8.49	35.317	27.447	6.67	0.73	3.05						92	0.99
Jul	8.72	35.314	27.404	6.95	0.74	4.53							1.99
Aug	9.23	35.343	27.347	13.35	0.48<	3.66<							2.13
Sep	10.49	35.298	27.093	2.11	0.23	2.78<		88.0		0.49		91	1.67
Oct	10.91	35.310	27.031	4.83	0.60	1.90				0.24	0.16		1.50
Nov	10.15	35.136	27.033	5.80<	0.62<	2.28<							-0.99
Dec	9.25	35.254	27.276	6.77<	0.63<	2.65<				0.09	0.01		-0.99
Avg	8.97	35.307	27.357	7.39	0.59	3.19							0.44
Amp	1.36	0.057	0.265	1.58	0.07	0.72							1.66
Phi	-5.70	1.184	0.447	0.39	-0.33	1.32							3.82

East Shetland - Offshore (ES_0)

Standard Deviation

North Latitude = 61.00 N
 South Latitude = 60.00 N
 West Longitude = 0.50 W
 East Longitude = 0.00 E

Total number of stations = 329

Minimum sounding (m) = 13
 Maximum sounding (m) = 164

Surface layer - 0 - 30m

Number of data depths = 1472
 Minimum sampled depth = 0
 Maximum sampled depth = 30

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.00	0.000	0.000										
Feb	0.58	0.051	0.064	1.42	0.09	0.84	0.41						0.07
Mar	0.17	0.029	0.007	1.04	0.25	0.12	0.00	0.0		0.00		0	-0.99
Apr	0.79	0.048	0.122	2.26	0.04	0.95				1.09	0.14	4	0.79
May	0.74	0.047	0.115	2.26	0.24	1.18	0.14	24.0		1.39	0.40	0	1.08
Jun	0.93	0.034	0.155	0.00	0.13	1.06		54.0	3.65	1.26	0.08	0	2.23
Jul	1.07	0.269	0.296	0.00	0.08	0.00				0.08	0.05		1.65
Aug	1.59	0.190	0.355	2.06						0.28	0.04		1.50
Sep	0.58	0.036	0.109	0.00	0.00	0.00		10.0		0.12		0	1.61
Oct	0.73	0.050	0.124	1.45	0.20	0.71		0.0		0.14	0.17	0	1.41
Nov	0.03	0.013	0.005										-0.99
Dec	0.48	0.032	0.067	0.34	0.00	0.08							-0.99

Bottom layer - 50m - Bottom

Number of data depths = 1832
 Minimum sampled depth = 50
 Maximum sampled depth = 158

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan													
Feb	0.60	0.043	0.068	1.28	0.11	0.71	0.03						0.07
Mar	0.16	0.020	0.009	0.31	0.22	0.06	0.00						-0.99
Apr	0.54	0.039	0.081	1.75	0.02	0.00				0.31	0.03	0	0.79
May	0.49	0.049	0.067	1.97	0.16	1.02	0.26			0.52	0.09	0	1.08
Jun	0.50	0.047	0.100	0.00	0.15	0.57						0	2.23
Jul	0.63	0.034	0.114	1.05	0.09	0.93							1.65
Aug	0.62	0.053	0.096	2.64									1.50
Sep	1.03	0.050	0.203	0.00	0.00			0.0		0.09		0	1.61
Oct	0.72	0.061	0.133	1.51	0.37	0.86				0.00	0.00		1.41
Nov	0.02	0.007	0.004										-0.99
Dec	0.51	0.030	0.073							0.00	0.00		-0.99

Rockall Bank (ROCKALL)

Mean Values

North Latitude = 58.50 N
 South Latitude = 56.00 N
 West Longitude = 16.00 W
 East Longitude = 12.00 W

Total number of stations = 547

Minimum sounding (m) = 103
 Maximum sounding (m) = 2280

Surface layer - 0 - 30m

Number of data depths = 1592
 Minimum sampled depth = 0
 Maximum sampled depth = 30

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	9.21<	35.304<	27.321<										1.63<
Feb	8.82<	35.290<	27.374<										0.32<
Mar	8.42	35.277	27.426		0.70					0.15			-0.99
Apr	9.05	35.368	27.398	12.34	1.00	5.29				0.43	0.21	99	2.27
May	10.07	35.370	27.228	6.80	0.53	0.82	2.01			1.21	0.46	108	2.22
Jun	10.72	35.385	27.126										1.84
Jul	12.03	35.318	26.829	4.74	0.34	0.89				0.09	0.04	105	2.46
Aug	12.67<	35.318<	26.685<										2.29<
Sep	13.32	35.319	26.541										2.12
Oct	12.56	35.217	26.650	3.92	0.34					0.34			2.47
Nov	10.28	35.323	27.156			2.78							2.61
Dec	9.60	35.317	27.268	10.50									2.94
Avg	10.56	35.317	27.084										1.85
Amp	2.21	0.037	0.409										0.93
Phi	4.98	1.797	-0.866										5.45

Bottom layer - 60m - Bottom

Number of data depths = 3884
 Minimum sampled depth = 60
 Maximum sampled depth = 2190

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	7.93<	35.226<	27.444<										1.63<
Feb	8.16<	35.245<	27.433<										0.32<
Mar	8.39	35.263	27.422		0.51								-0.99
Apr	8.15	35.294	27.472	14.35	1.03	7.82				0.13	0.17	93	2.27
May	8.54	35.310	27.425	13.08	0.85	6.48	1.62			0.42	0.29	93	2.22
Jun	9.44	35.405	27.362										1.84
Jul	8.15	35.259	27.445	14.53	0.90	7.36						90	2.46
Aug	9.12<	35.310<	27.351<										2.29<
Sep	10.08	35.361	27.258										2.12
Oct	9.26	35.345	27.338	13.89	0.81					0.03			2.47
Nov	8.63	35.282	27.386			6.44							2.61
Dec	7.71	35.207	27.455										2.94
Avg	8.63	35.292	27.399										1.85
Amp	0.67	0.055	0.062										0.93
Phi	4.64	3.759	-0.659										5.45

Rockall Bank (ROCKALL)

Standard Deviation

North Latitude = 58.50 N
 South Latitude = 56.00 N
 West Longitude = 16.00 W
 East Longitude = 12.00 W

Total number of stations = 547

Minimum sounding (m) = 103
 Maximum sounding (m) = 2280

Surface layer - 0 - 30m

Number of data depths = 1592
 Minimum sampled depth = 0
 Maximum sampled depth = 30

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan													
Feb													
Mar	0.22	0.037	0.008		0.00					0.00			0.57
Apr	0.48	0.040	0.062	1.85	1.13	1.27				0.35	0.10	5	2.48
May	0.58	0.053	0.094	1.88	0.22	1.92	0.40			0.79	0.31	3	2.40
Jun	0.19	0.023	0.030										0.27
Jul	0.68	0.023	0.131	0.73	0.03	0.37				0.00	0.00	6	2.37
Aug													
Sep	0.45	0.048	0.313										1.39
Oct	0.30	0.049	0.050	0.76	0.13					0.16			2.32
Nov	0.37	0.032	0.039			0.40							2.40
Dec	0.00	0.000	0.000	0.00									-0.99

Bottom layer - 60m - Bottom

Number of data depths = 3884
 Minimum sampled depth = 60
 Maximum sampled depth = 2190

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan													
Feb													
Mar	0.15	0.036	0.006		0.00								0.57
Apr	1.39	0.112	0.110	2.37	0.91	3.07				0.20	0.07	9	2.48
May	1.25	0.098	0.107	2.51	0.16	2.95	0.41			0.46	0.19	9	2.40
Jun	0.43	0.030	0.066										0.27
Jul	1.35	0.093	0.121	4.27	0.27	3.20						6	2.37
Aug													
Sep	0.87	0.050	0.115										1.39
Oct	1.15	0.063	0.147	2.29	0.28					0.01			2.32
Nov	1.52	0.090	0.167			2.52							2.40
Dec	2.15	0.128	0.197										-0.99

Atlantic Water (AW_NOLSO)

Mean Values

First Vertice = 61.00 N 2.01 W
 Second Vertice = 61.17 N 1.90 W
 Third Vertice = 61.00 N 0.81 W
 Forth Vertice = 60.83 N 0.92 W

Total number of stations = 299

Minimum sounding (m) = 93
 Maximum sounding (m) = 368

Surface layer - 0 - 5m

Number of data depths = 483
 Minimum sampled depth = 0
 Maximum sampled depth = 5

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	8.83	35.280	27.364	9.40	0.65	3.44	1.90					93	0.73
Feb	8.93	35.382	27.427	10.06	0.57	3.90	0.34						0.25
Mar	8.74	35.356	27.438	9.22<	0.50<	3.47	0.51<						0.61
Apr	8.84	35.361	27.425	8.37	0.44	2.47	0.67<			0.73	0.25	97	1.01
May	9.65	35.373	27.301	6.58	0.48	2.30	0.84			1.52	0.95		1.28
Jun	10.17	35.312	27.164	5.83<	0.43<	1.18	0.77<					106	-0.99
Jul	11.81	35.267	26.850	5.08<	0.38	1.20	0.70<						1.81
Aug	12.46	35.267	26.707	4.33<	0.31<	1.11<	0.63<						1.84
Sep	12.05	35.277	26.793	3.59	0.24	1.01	0.56			0.67	0.34		1.82
Oct	11.54	35.281	26.893	5.76	0.39	1.97	1.47			0.64	0.17		1.58
Nov	10.42	35.237	27.064	7.48<	0.52	2.71	1.19<						0.97
Dec	9.95	35.314	27.206	9.19	0.54	3.35	0.91			0.12	0.05		0.51
Avg	10.28	35.309	27.136	7.07	0.46	2.34	0.87						0.95
Amp	1.81	0.056	0.356	2.89	0.13	1.40	0.30						0.58
Phi	5.05	-0.003	-0.834	-1.60	-1.76	-1.90	-4.10						5.38

Bottom layer - 50m - Bottom

Number of data depths = 2248
 Minimum sampled depth = 50
 Maximum sampled depth = 354

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	8.86	35.290	27.366	9.14	0.70	3.40	5.81						0.73
Feb	8.86	35.374	27.434	9.86	0.61	4.02	0.47						0.25
Mar	8.65	35.354	27.450	9.45<	0.53<	3.57	0.75<						0.61
Apr	8.54	35.363	27.475	9.05	0.46	2.94	1.04<			0.91	0.28	96	1.01
May	8.85	35.361	27.425	9.19	0.63	3.60	1.32			0.38	0.35		1.28
Jun	9.13	35.321	27.347	9.00<	0.68<	2.28	1.11<					105	-0.99
Jul	9.43	35.333	27.306	8.81<	0.73	6.00	0.91<						1.81
Aug	10.41	35.346	27.149	8.61<	0.59<	4.76<	0.70<						1.84
Sep	10.65	35.348	27.108	8.42	0.45	3.52	0.49			0.19	0.27		1.82
Oct	10.81	35.335	27.070	8.67	0.56	3.26	1.27			0.24	0.16		1.58
Nov	10.39	35.265	27.091	8.96<	0.52	2.94	1.06<						0.97
Dec	9.95	35.338	27.224	9.25	0.56	3.61	0.85			0.12	0.04		0.51
Avg	9.54	35.335	27.287	9.03	0.58	3.66	1.32						0.95
Amp	1.11	0.022	0.202	0.47	0.03	0.41	0.74						0.58
Phi	-5.91	1.234	0.178	-1.03	1.93	4.08	-2.39						5.38

Atlantic Water (AW_NOLSO)

Standard Deviation

First Vertice = 61.00 N 2.01 W
 Second Vertice = 61.17 N 1.90 W
 Third Vertice = 61.00 N 0.81 W
 Forth Vertice = 60.83 N 0.92 W

Total number of stations = 299

Minimum sounding (m) = 93
 Maximum sounding (m) = 368

Surface layer - 0 - 5m

Number of data depths = 483
 Minimum sampled depth = 0
 Maximum sampled depth = 5

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.49	0.098	0.061	1.25	0.09	0.24	0.00					1	1.16
Feb	0.43	0.019	0.066	2.42	0.21	0.56	0.45						0.30
Mar	0.38	0.023	0.053			0.57							0.64
Apr	0.73	0.027	0.109	2.15	0.11	1.63				0.48	0.21	0	0.95
May	0.65	0.048	0.096	3.17	0.29	1.60	0.26			1.69	1.42		0.97
Jun	0.87	0.038	0.140			0.97						2	2.14
Jul	0.69	0.077	0.146		0.29	0.20							1.28
Aug	0.40	0.043	0.102										1.25
Sep	0.63	0.050	0.103	0.81	0.09	0.59	0.34			0.25	0.29		1.52
Oct	0.58	0.064	0.116	1.55	0.15	0.56	0.21			0.31	0.09		1.57
Nov	0.47	0.090	0.079		0.00	0.31							1.24
Dec	0.40	0.091	0.094	1.91	0.13	0.63	0.67			0.17	0.03		0.75

Bottom layer - 50m - Bottom

Number of data depths = 2248
 Minimum sampled depth = 50
 Maximum sampled depth = 354

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.49	0.084	0.059	0.84	0.06	0.24	0.00						1.16
Feb	0.41	0.020	0.064	1.62	0.17	0.84	0.24						0.30
Mar	0.40	0.027	0.058			0.59							0.64
Apr	0.51	0.027	0.072	1.65	0.12	1.27				0.82	0.16	0	0.95
May	0.51	0.047	0.056	2.03	0.19	1.11	0.26			0.33	0.33		0.97
Jun	0.61	0.049	0.079			0.91						3	2.14
Jul	0.61	0.066	0.103		0.12	0.80							1.28
Aug	0.69	0.042	0.144										1.25
Sep	0.83	0.059	0.170	3.15	0.22	1.62	0.29			0.25	0.19		1.52
Oct	0.55	0.070	0.123	2.16	0.17	1.20	0.27			0.22	0.09		1.57
Nov	0.45	0.080	0.081		0.00	0.49							1.24
Dec	0.39	0.061	0.079	1.78	0.14	0.72	0.66			0.14	0.03		0.75

Atlantic Water (AW_MUNKEN)

Mean Values

First Vertice = 60.27 N 4.20 W
 Second Vertice = 60.37 N 4.04 W
 Third Vertice = 60.19 N 3.55 W
 Forth Vertice = 60.08 N 3.71 W

Total number of stations = 321

Minimum sounding (m) = 130
 Maximum sounding (m) = 357

Surface layer - 0 - 5m

Number of data depths = 503
 Minimum sampled depth = 0
 Maximum sampled depth = 5

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	8.88	35.231	27.319	9.13<	0.64<	3.80<				0.29<	0.07<		0.26
Feb	9.78	35.382	27.288	9.52<	0.64<	4.21<				0.50<	0.11<		-0.99
Mar	9.07	35.362	27.391	9.90<	0.65<	4.62				0.71<	0.15<		0.34
Apr	9.36	35.390	27.363	10.28	0.65	4.26				0.91	0.19		0.80
May	10.08	35.398	27.248	6.31	0.44	2.06	0.93			1.51	0.69	100	1.26
Jun	10.46	35.333	27.131	3.27	0.40	1.23	0.50			1.03<	0.58<	108	1.60
Jul	12.00	35.250	26.784	5.25	0.42	1.40				0.55	0.47<		1.89
Aug	12.63	35.306	26.700	3.04	0.34	0.96	0.70			0.82	0.36	108	1.94
Sep	12.19	35.289	26.775	3.75	0.29	1.26				1.14	0.65	99	1.90
Oct	11.78	35.330	26.887	6.26	0.53	1.77	1.07			0.56	0.15		1.81
Nov	10.63	35.275	27.054	7.51<	0.58<	2.62				0.32<	0.09<		1.38
Dec	10.19	35.329	27.176	8.75	0.64	3.38	1.15			0.09	0.04		0.89
Avg	10.59	35.323	27.093	6.91	0.52	2.63				0.70	0.30		1.09
Amp	1.65	0.045	0.323	3.32	0.17	1.76				0.42	0.27		1.09
Phi	4.97	0.359	-0.891	-1.62	-1.82	-1.45				2.46	3.20		4.60

Bottom layer - 50m - Bottom

Number of data depths = 3012
 Minimum sampled depth = 50
 Maximum sampled depth = 350

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	8.88	35.239	27.326	9.84<	0.67<	3.94<				0.17<	0.08<		0.26
Feb	9.79	35.387	27.291	10.34<	0.67<	4.39<				0.25<	0.13<		-0.99
Mar	9.02	35.356	27.394	10.83<	0.68<	4.84				0.32<	0.17<		0.34
Apr	9.32	35.394	27.373	11.33	0.68	4.55				0.40	0.22		0.80
May	9.46	35.403	27.358	9.66	0.63	3.65	1.13			0.52	0.46	98	1.26
Jun	9.47	35.363	27.325	6.85	0.61	3.19	0.17			0.43<	0.35<	104	1.60
Jul	9.66	35.357	27.301	8.90	0.74	4.57				0.34	0.23<		1.89
Aug	9.98	35.373	27.245	10.31	0.60	4.52	0.23			0.08	0.12	92	1.94
Sep	10.45	35.363	27.155	8.34	0.63	3.54				0.12	0.18	89	1.90
Oct	10.82	35.380	27.103	9.02	0.69	3.05	1.03			0.26	0.15		1.81
Nov	10.48	35.327	27.124	9.18<	0.68<	3.64				0.18<	0.10<		1.38
Dec	10.17	35.367	27.209	9.34	0.67	3.50	1.14			0.09	0.04		0.89
Avg	9.79	35.359	27.267	9.49	0.66	3.95				0.26	0.19		1.09
Amp	0.68	0.027	0.127	0.92	0.02	0.40				0.16	0.13		1.09
Phi	-5.75	2.547	0.584	-1.11	-2.68	0.37				1.32	2.12		4.60

Atlantic Water (AW_MUNKEN)

Standard Deviation

First Vertice = 60.27 N 4.20 W
 Second Vertice = 60.37 N 4.04 W
 Third Vertice = 60.19 N 3.55 W
 Forth Vertice = 60.08 N 3.71 W

Total number of stations = 321

Minimum sounding (m) = 130
 Maximum sounding (m) = 357

Surface layer - 0 - 5m

Number of data depths = 503
 Minimum sampled depth = 0
 Maximum sampled depth = 5

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.05	0.019	0.023										-0.99
Feb	0.12	0.026	0.001										-0.99
Mar	0.25	0.029	0.020			0.28							0.49
Apr	0.77	0.065	0.079	1.58	0.12	0.62				0.55	0.10		0.73
May	0.54	0.043	0.078	3.10	0.18	1.48	0.65			0.99	0.66	3	0.94
Jun	0.62	0.060	0.100	1.36	0.14	0.87	0.30					3	1.13
Jul	0.93	0.030	0.190	0.75	0.09	0.25				0.00			1.34
Aug	0.97	0.043	0.189	2.42	0.14	0.44	0.30			0.00	0.00	1	1.25
Sep	0.71	0.038	0.135	1.20	0.11	0.64				0.54	0.55	0	1.52
Oct	0.49	0.051	0.115	2.16	0.22	0.98	0.28			0.27	0.08		1.55
Nov	0.53	0.072	0.109			0.24							1.38
Dec	0.37	0.253	0.201	1.48	0.13	0.57	0.56			0.03	0.02		1.09

Bottom layer - 50m - Bottom

Number of data depths = 3012
 Minimum sampled depth = 50
 Maximum sampled depth = 350

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.05	0.016	0.019										-0.99
Feb	0.15	0.031	0.001										-0.99
Mar	0.25	0.032	0.020			0.26							0.49
Apr	0.61	0.054	0.060	1.74	0.08	1.08				0.35	0.13		0.73
May	0.44	0.041	0.048	1.32	0.12	1.04	0.84			0.55	0.35	2	0.94
Jun	0.36	0.039	0.054	1.59	0.18	1.48	0.13					6	1.13
Jul	0.60	0.075	0.101	1.69	0.12	1.36				0.00			1.34
Aug	0.58	0.035	0.101	2.35	0.18	1.56	0.11			0.03	0.01	4	1.25
Sep	0.83	0.049	0.153	2.46	0.23	1.29				0.18	0.06	0	1.52
Oct	0.61	0.050	0.128	2.47	0.23	1.28	0.29			0.22	0.10		1.55
Nov	0.49	0.059	0.105			0.97							1.38
Dec	0.37	0.044	0.064	1.47	0.11	0.65	0.48			0.02	0.02		1.09

Faroe Shetland Channel Central (FSCC_NOLSO)

Mean Values

First Vertice = 61.54 N 4.50 W
 Second Vertice = 61.70 N 4.35 W
 Third Vertice = 61.28 N 2.45 W
 Forth Vertice = 61.12 N 2.60 W

Total number of stations = 320

Minimum sounding (m) = 804
 Maximum sounding (m) = 1426

Surface layer - 0 - 50m

Number of data depths = 999
 Minimum sampled depth = 0
 Maximum sampled depth = 50

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	7.98	35.276	27.490	12.09	0.83	5.71				0.15<		93	2.85
Feb	7.99<	35.269<	27.484<	12.25<	1.26<	5.56<				0.22<		93<	2.85<
Mar	8.00	35.262	27.478	12.40<	1.70<	5.41				0.30<		94<	2.84
Apr	7.75	35.292	27.538	12.56	2.13	5.00				0.37	0.16	95	2.82
May	8.87	35.305	27.374	9.11	0.65	4.08	0.58			0.88	0.61	104	2.83
Jun	9.65	35.286	27.232	7.38	0.54	1.93				1.16<		105	2.91
Jul	10.31	35.273	27.104	7.63	0.41	2.44				1.45<		105	2.86
Aug	11.43	35.264	26.901	3.06	0.35	1.11		217.0		1.73		100	2.99
Sep	10.81	35.161	26.932	5.10	0.41	1.70	0.44			1.06	0.18	98<	2.94
Oct	10.05	35.158	27.065	6.24	0.52	1.76	0.81			0.65	0.17	96	2.95
Nov	9.21	35.232	27.265	12.12	0.59	3.10				0.36<		93	2.97
Dec	8.71	35.259	27.365	11.02	0.73	4.26	1.06			0.07	0.03	93<	2.92
Avg	9.23	35.253	27.269	9.25	0.84	3.51				0.70		97	2.89
Amp	1.61	0.050	0.293	4.06	0.62	2.24				0.71		6	0.07
Phi	4.85	0.522	-0.966	-1.44	-0.58	-1.22				3.82		3	6.02

Bottom layer - 800m - Bottom

Number of data depths = 1102
 Minimum sampled depth = 800
 Maximum sampled depth = 1343

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	-0.76	34.916	28.076	14.04	1.04	11.59						82	2.85
Feb	-0.70<	34.910<	28.068<	14.41<	1.22<	10.94<						82<	2.85<
Mar	-0.63	34.905	28.060	14.77<	1.41<	10.29						83<	2.84
Apr	-0.57	34.909	28.061	15.14	1.59	9.22						83	2.82
May	-0.65	34.908	28.064	13.91	0.95	10.20	0.39			0.04		81	2.83
Jun	-0.65	34.919	28.073	13.15	1.00	9.38						85	2.91
Jul	-0.69	34.923	28.078	15.62	1.03	11.22						83	2.86
Aug	-0.74	34.923	28.080	13.47	1.04	13.34						83	2.99
Sep	-0.67	34.909	28.066	14.31	0.87	10.07	0.24			0.04		82<	2.94
Oct	-0.67	34.909	28.066	13.98	1.00	10.27	0.48					81	2.95
Nov	-0.63	34.908	28.062	15.47	0.92	10.65						84	2.97
Dec	-0.62	34.909	28.063	13.90	0.93	10.10	1.18					83<	2.92
Avg	-0.66	34.912	28.068	14.35	1.08	10.61						82	2.89
Amp	0.02	0.005	0.004	0.16	0.21	0.48						1	0.07
Phi	0.04	3.791	4.147	-1.87	-0.05	6.00						2	6.02

Faroe Shetland Channel Central (FSCC_NOLSO)

Standard Deviation

First Vertice = 61.54 N 4.50 W
 Second Vertice = 61.70 N 4.35 W
 Third Vertice = 61.28 N 2.45 W
 Forth Vertice = 61.12 N 2.60 W

Total number of stations = 320

Minimum sounding (m) = 804
 Maximum sounding (m) = 1426

Surface layer - 0 - 50m

Number of data depths = 999
 Minimum sampled depth = 0
 Maximum sampled depth = 50

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.83	0.085	0.066	0.81	0.04	0.95						0	2.17
Feb													
Mar	0.59	0.059	0.044			0.35							2.00
Apr	0.69	0.067	0.065	0.94	1.21	0.97				0.09	0.04	1	2.28
May	0.86	0.071	0.102	2.62	0.19	1.88	0.20			0.99	0.93	1	2.19
Jun	0.84	0.043	0.124	1.29	0.15	1.42						3	2.10
Jul	1.23	0.068	0.215	2.61	0.17	1.96						2	2.09
Aug	0.64	0.075	0.099	2.12	0.14	0.74		95.0		1.28		0	2.24
Sep	0.98	0.098	0.153	2.28	0.17	0.98	0.29			0.47	0.08		2.14
Oct	0.75	0.109	0.128	1.90	0.23	0.67	0.78			0.22	0.07	1	2.10
Nov	0.45	0.116	0.057	0.20	0.04	0.45						1	2.16
Dec	0.73	0.077	0.065	1.85	0.20	0.83	0.95			0.02	0.02		2.12

Bottom layer - 800m - Bottom

Number of data depths = 1102
 Minimum sampled depth = 800
 Maximum sampled depth = 1343

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.16	0.008	0.009	2.31	0.07	1.09						1	2.17
Feb													
Mar	0.12	0.005	0.009			0.90							2.00
Apr	0.22	0.008	0.015	0.40	0.89	1.19						4	2.28
May	0.13	0.009	0.012	1.38	0.12	1.19	0.17			0.00		9	2.19
Jun	0.17	0.011	0.013	2.74	0.13	1.55						4	2.10
Jul	0.20	0.007	0.012	1.32	0.10	0.91						1	2.09
Aug	0.17	0.006	0.010	0.00	0.04	0.00						0	2.24
Sep	0.14	0.005	0.009	0.90	0.16	1.25	0.21			0.00			2.14
Oct	0.13	0.006	0.009	1.31	0.26	1.10	0.53					4	2.10
Nov	0.17	0.010	0.014	0.34	0.02	1.32						2	2.16
Dec	0.16	0.008	0.011	1.74	0.18	1.70	0.67						2.12

Faroe Shetland Channel Central (FSCC_MUNKEN)

Mean Values

First Vertice = 60.68 N 5.29 W
 Second Vertice = 60.82 N 5.09 W
 Third Vertice = 60.53 N 4.27 W
 Forth Vertice = 60.39 N 4.47 W

Total number of stations = 443
 Minimum sounding (m) = 820
 Maximum sounding (m) = 1140

Surface layer - 0 - 50m

Number of data depths = 1339
 Minimum sampled depth = 0
 Maximum sampled depth = 50

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	9.04	35.308	27.351	11.50	0.74	4.46				0.17			2.89
Feb	9.02	35.325	27.368	12.20	0.73	4.71				0.24			2.88
Mar	8.35	35.291	27.447	12.91	0.71	4.96				0.32			2.82
Apr	8.27	35.298	27.466	13.61	0.70	5.08				0.39	0.21		2.80
May	9.20	35.338	27.348	8.80	0.57	3.10	0.91			0.92	0.52	102	2.82
Jun	9.67	35.314	27.252	5.93	0.52	1.46	0.60			0.66		105	2.88
Jul	10.31	35.208	27.054	7.83	0.57	2.91				0.39			2.90
Aug	11.35	35.177	26.841	5.16	0.38	2.21	0.52			0.72		103	2.91
Sep	10.95	35.196	26.934	5.69	0.56	1.80				1.05	0.50	99	2.93
Oct	10.70	35.279	27.045	7.07	0.48	2.23	1.13			0.65	0.18		2.97
Nov	9.51	35.263	27.237	11.68	0.71	3.81	0.43			0.37			2.92
Dec	9.07	35.292	27.333	10.79	0.75	4.20	0.83			0.10	0.04		2.90
Avg	9.62	35.274	27.223	9.43	0.62	3.41				0.50			2.89
Amp	1.27	0.055	0.261	3.70	0.14	1.56				0.30			0.06
Phi	5.16	-0.859	-0.859	-1.47	-1.83	-1.46				3.91			-5.60

Bottom layer - 800m - Bottom

Number of data depths = 1049
 Minimum sampled depth = 800
 Maximum sampled depth = 1082

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	-0.62	34.906	28.061	14.51	0.96	10.00							2.89
Feb	-0.59	34.904	28.058	14.92	0.93	9.78							2.88
Mar	-0.56	34.904	28.056	15.32	0.89	9.55							2.82
Apr	-0.60	34.907	28.061	15.73	0.85	10.19						86	2.80
May	-0.64	34.907	28.062	13.78	0.94	10.09	0.64			0.05		82	2.82
Jun	-0.65	34.912	28.068	10.88	0.91	8.72	0.20					89	2.88
Jul	-0.72	34.924	28.080	17.75	1.03	11.30							2.90
Aug	-0.75	34.915	28.074	15.07	0.90	10.50	0.80					86	2.91
Sep	-0.68	34.909	28.066	13.89	0.93	10.31				0.03		84	2.93
Oct	-0.65	34.908	28.063	13.92	0.97	10.39	0.93			0.03		72	2.97
Nov	-0.66	34.909	28.065	13.30	0.99	11.40	0.35						2.92
Dec	-0.65	34.908	28.064	14.10	1.00	10.23	1.21						2.90
Avg	-0.65	34.909	28.065	14.43	0.94	10.21							2.89
Amp	0.07	0.006	0.008	0.29	0.04	0.52							0.06
Phi	-1.14	4.022	4.366	0.62	-5.25	-5.71							-5.60

Faroe Shetland Channel Central (FSCC_MUNKEN)

Standard Deviation

First Vertice = 60.68 N 5.29 W
 Second Vertice = 60.82 N 5.09 W
 Third Vertice = 60.53 N 4.27 W
 Forth Vertice = 60.39 N 4.47 W

Total number of stations = 443
 Minimum sounding (m) = 820
 Maximum sounding (m) = 1140

Surface layer - 0 - 50m

Number of data depths = 1339
 Minimum sampled depth = 0
 Maximum sampled depth = 50

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan													
Feb	0.57	0.059	0.044										2.02
Mar	0.42	0.032	0.040			0.53							1.89
Apr	0.50	0.040	0.051	1.46	0.11	0.62				0.14	0.22		1.76
May	0.73	0.054	0.090	2.36	0.19	1.76	0.49			0.64	0.54	1	1.97
Jun	0.64	0.061	0.089	1.34	0.09	1.03	0.24					2	1.92
Jul	1.18	0.048	0.230	1.37	0.09	0.66				0.19			1.93
Aug	1.38	0.072	0.269	2.85	0.15	1.67	0.27					4	2.01
Sep	0.81	0.067	0.142	2.65	0.49	1.04				0.50	0.38	3	1.94
Oct	0.70	0.066	0.110	1.91	0.21	1.05	0.61			0.46	0.12		1.92
Nov	0.77	0.075	0.098	0.40	0.08	0.69	0.12						1.94
Dec	0.70	0.078	0.063	1.68	0.16	1.11	0.84			0.09	0.03		1.98

Bottom layer - 800m - Bottom

Number of data depths = 1049
 Minimum sampled depth = 800
 Maximum sampled depth = 1082

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan													
Feb	0.23	0.004	0.014										2.02
Mar	0.31	0.005	0.020			0.71							1.89
Apr	0.11	0.009	0.009	1.03	0.09	0.86						0	1.76
May	0.13	0.004	0.008	1.19	0.16	1.16	0.34			0.02		4	1.97
Jun	0.15	0.011	0.013	2.26	0.17	1.51	0.10					4	1.92
Jul	0.14	0.011	0.013	0.75	0.07	1.01							1.93
Aug	0.09	0.009	0.009	1.13	0.12	1.19	0.50					3	2.01
Sep	0.14	0.007	0.010	0.73	0.27	1.14				0.00		1	1.94
Oct	0.15	0.004	0.009	1.22	0.19	2.18	0.53			0.00		2	1.92
Nov	0.14	0.008	0.011	1.00	0.04	1.08	0.25						1.94
Dec	0.14	0.006	0.009	1.62	0.17	1.36	0.91						1.98

Faroe Shetland Channel North (FSCN_NOLSO)

Mean Values

First Vertice = 61.96 N 6.46 W
 Second Vertice = 62.13 N 6.30 W
 Third Vertice = 61.95 N 5.49 W
 Forth Vertice = 61.79 N 5.65 W

Total number of stations = 148
 Minimum sounding (m) = 55
 Maximum sounding (m) = 326

Surface layer - 0 - 5m

Number of data depths = 218
 Minimum sampled depth = 0
 Maximum sampled depth = 5

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	7.13	35.206	27.562	10.11	0.81	4.80						93	-0.99
Feb	6.92<	35.178<	27.570<	10.92<	0.72<	5.30<							-0.28<
Mar	6.71	35.150	27.577	11.72<	0.62<	5.80							0.42
Apr	7.06	35.221	27.583	12.53	0.53	5.11				0.44	0.16		0.70
May	8.13	35.231	27.434	8.61	0.65	3.43	0.55			1.82	0.78		1.28
Jun	8.76	35.194	27.306	5.50	0.50	1.15						112	1.59
Jul	9.80	35.239	27.169	5.77<	0.54	1.73<							1.63
Aug	10.81	35.243	26.999	6.04<	0.50<	2.30<							1.81
Sep	10.27	35.154	27.024	6.32	0.47	2.88				0.67			1.76
Oct	9.96	35.193	27.108	7.77	0.59	3.12	1.15			0.45	0.19		1.48
Nov	8.52	35.132	27.298	9.34<	0.64<	3.90<							-0.99
Dec	8.32	35.184	27.369	10.91	0.69	4.68	0.92			0.11	0.07		-0.99
Avg	8.53	35.194	27.333	8.80	0.60	3.68							0.62
Amp	1.89	0.029	0.293	3.07	0.12	1.85							1.41
Phi	5.01	2.522	-0.859	-1.58	-2.22	-1.82							3.44

Bottom layer - 50m - Bottom

Number of data depths = 1034
 Minimum sampled depth = 50
 Maximum sampled depth = 296

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	7.15	35.206	27.560	10.10	0.81	4.68						94	-0.99
Feb	6.90<	35.178<	27.573<	11.01<	0.73<	5.22<							-0.28<
Mar	6.65	35.150	27.585	11.93<	0.64<	5.76							0.42
Apr	6.94	35.229	27.606	12.84	0.56	5.08				0.49	0.14		0.70
May	7.33	35.223	27.546	10.45	0.79	4.26	0.72			0.66	0.64		1.28
Jun	7.66	35.197	27.477	6.84	0.68	3.28						109	1.59
Jul	8.35	35.260	27.421	7.73<	0.70	3.61<						90	1.63
Aug	9.60	35.289	27.243	8.62<	0.70<	3.95<							1.81
Sep	9.41	35.192	27.197	9.51	0.69	4.29				0.19			1.76
Oct	9.55	35.221	27.199	9.93	0.75	4.14	1.11			0.42	0.18		1.48
Nov	8.61	35.145	27.294	10.36<	0.73<	4.43<							-0.99
Dec	8.37	35.194	27.370	10.78	0.71	4.72	0.96			0.11	0.06		-0.99
Avg	8.04	35.207	27.423	10.01	0.71	4.45							0.62
Amp	1.44	0.036	0.207	1.66	0.04	0.78							1.41
Phi	5.66	3.641	-0.122	-1.65	-4.52	-1.66							3.44

Faroe Shetland Channel North (FSCN_NOLSO)

Standard Deviation

First Vertice = 61.96 N 6.46 W
 Second Vertice = 62.13 N 6.30 W
 Third Vertice = 61.95 N 5.49 W
 Forth Vertice = 61.79 N 5.65 W

Total number of stations = 148
 Minimum sounding (m) = 55
 Maximum sounding (m) = 326

Surface layer - 0 - 5m

Number of data depths = 218
 Minimum sampled depth = 0
 Maximum sampled depth = 5

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.40	0.055	0.069	0.11	0.11	0.41						2	0.21
Feb													
Mar	0.12	0.011	0.013			0.30							0.55
Apr	0.55	0.056	0.038	0.16	0.01	0.10				0.09	0.03		0.50
May	0.69	0.048	0.094	2.36	0.21	1.69	0.04			1.04	0.82		1.24
Jun	0.74	0.034	0.115	0.60	0.05	1.13						1	1.53
Jul	0.99	0.047	0.165		0.03								1.62
Aug	0.33	0.017	0.046										1.75
Sep	0.74	0.054	0.104	1.68	0.13	1.04				0.26			1.75
Oct	0.54	0.057	0.083	1.53	0.17	0.87	0.63			0.13	0.04		1.57
Nov	0.26	0.035	0.054										0.28
Dec	0.45	0.060	0.054	2.21	0.14	0.77	0.78			0.04	0.03		0.25

Bottom layer - 50m - Bottom

Number of data depths = 1034
 Minimum sampled depth = 50
 Maximum sampled depth = 296

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	0.33	0.036	0.051	0.12	0.06	0.33						0	0.21
Feb													
Mar	0.18	0.020	0.009			0.37							0.55
Apr	0.42	0.050	0.027	0.49	0.04	0.24				0.17	0.00		0.50
May	0.48	0.047	0.055	2.20	0.20	1.61	0.24			0.88	0.68		1.24
Jun	0.64	0.032	0.082	1.79	0.17	1.90						3	1.53
Jul	0.75	0.041	0.112		0.18							0	1.62
Aug	0.73	0.026	0.135										1.75
Sep	0.96	0.056	0.177	2.59	0.18	1.47				0.15			1.75
Oct	0.67	0.066	0.127	2.49	0.26	1.20	0.81			0.12	0.07		1.57
Nov	0.24	0.029	0.042										0.28
Dec	0.41	0.057	0.053	2.12	0.17	0.80	0.74			0.03	0.03		0.25

Faroe Shetland Channel Central (FSCN_MUNKEN)

Mean Values

First Vertice = 61.18 N 6.60 W
 Second Vertice = 61.31 N 6.39 W
 Third Vertice = 61.05 N 5.72 W
 Forth Vertice = 60.92 N 5.94 W

Total number of stations = 198
 Minimum sounding (m) = 104
 Maximum sounding (m) = 299

Surface layer - 0 - 5m

Number of data depths = 285
 Minimum sampled depth = 0
 Maximum sampled depth = 5

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	7.90	35.176	27.425	11.45	0.69	4.89				0.18	0.06		0.46
Feb	7.31	35.127	27.475	12.16	0.71	5.35				0.26	0.07		0.12
Mar	6.86	35.157	27.562	12.88	0.73	5.80				0.34	0.08		0.92
Apr	7.05	35.217	27.581	13.59	0.75	5.55				0.43	0.09		1.08
May	8.41	35.258	27.411	8.45	0.57	3.64	1.66			1.21	0.60	107	1.49
Jun	9.02	35.224	27.289	5.67	0.64	1.35	1.05			1.14	0.40	106	1.72
Jul	10.73	35.176	26.957	4.35	0.48	2.84		206.0	26.60	1.07	0.20		1.95
Aug	10.88	35.184	26.939	4.99	0.38	1.95	0.70	458.0		0.89	0.22	105	2.05
Sep	10.56	35.171	26.986	5.32	0.57	2.19				0.71	0.23	101	2.01
Oct	10.01	35.207	27.111	7.93	0.52	2.72	1.07			0.45	0.18	93	1.88
Nov	8.50	35.154	27.319	11.85	0.74	3.95	0.10			0.17	0.83		1.37
Dec	8.49	35.225	27.375	10.73	0.67	4.44	0.97			0.09	0.04		0.80
Avg	8.81	35.190	27.286	9.11	0.62	3.72				0.58	0.25		1.32
Amp	1.88	0.020	0.297	4.22	0.13	1.87				0.52	0.10		0.84
Phi	4.95	2.547	-0.978	-1.70	-1.54	-1.45				3.03	4.48		4.34

Bottom layer - 50m - Bottom

Number of data depths = 1322
 Minimum sampled depth = 50
 Maximum sampled depth = 283

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan	7.86	35.182	27.436	11.98	0.72	5.04				0.12	0.05		0.46
Feb	7.30	35.135	27.482	12.74	0.73	5.44				0.15	0.06		0.12
Mar	6.62	35.144	27.584	13.50	0.73	5.85				0.17	0.07		0.92
Apr	6.74	35.199	27.611	14.27	0.73	5.80				0.20	0.09		1.08
May	7.29	35.231	27.559	11.11	0.77	4.95	1.15			0.51	0.60	103	1.49
Jun	7.35	35.198	27.523	10.49	0.86	5.22	1.08			0.42	0.49	102	1.72
Jul	7.76	35.182	27.449	13.16	0.82	6.22				0.33	0.39		1.95
Aug	8.21	35.218	27.410	11.90	0.78	5.79	0.43			0.24	0.28	95	2.05
Sep	8.52	35.218	27.361	11.43	0.74	5.03				0.15	0.17	94	2.01
Oct	8.93	35.254	27.326	10.66	0.65	4.59	0.74			0.39	0.14		1.88
Nov	8.38	35.184	27.360	12.43	0.82	5.10	0.17			0.29	2.46		1.37
Dec	8.42	35.229	27.389	11.22	0.72	4.63	1.02			0.09	0.04		0.80
Avg	7.78	35.198	27.458	12.07	0.76	5.30				0.26	0.40		1.32
Amp	0.96	0.029	0.126	0.78	0.04	0.41				0.12	0.27		0.84
Phi	-5.55	5.253	0.641	-0.28	3.00	1.77				3.11	-5.53		4.34

Faroe Shetland Channel Central (FSCN_MUNKEN)

Standard Deviation

First Vertice = 61.18 N 6.60 W
 Second Vertice = 61.31 N 6.39 W
 Third Vertice = 61.05 N 5.72 W
 Forth Vertice = 60.92 N 5.94 W

Total number of stations = 198
 Minimum sounding (m) = 104
 Maximum sounding (m) = 299

Surface layer - 0 - 5m

Number of data depths = 285
 Minimum sampled depth = 0
 Maximum sampled depth = 5

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan													
Feb	0.04	0.004	0.002										0.24
Mar	0.09	0.014	0.013			0.50							0.88
Apr	0.80	0.063	0.067	1.30	0.23	0.80				0.00	0.05		1.06
May	0.80	0.052	0.099	2.61	0.22	1.81	0.69			1.11	0.64	0	1.32
Jun	0.71	0.043	0.114	1.79	0.10	0.86	0.15					2	1.27
Jul	0.91	0.055	0.138	3.05	0.24	0.57		0.0	0.00	0.58	0.00		1.56
Aug	0.51	0.041	0.103	1.07	0.14	0.67	0.10	0.0				1	1.40
Sep	0.59	0.044	0.094	1.09	0.55	0.71				0.24	0.15	1	1.52
Oct	0.59	0.053	0.091	1.88	0.18	0.86	0.63			0.16	0.07	0	1.45
Nov	0.38	0.050	0.059	0.15	0.04	0.65	0.00			0.00	0.00		1.37
Dec	0.40	0.051	0.041	1.72	0.11	0.69	0.72			0.03	0.02		1.02

Bottom layer - 50m - Bottom

Number of data depths = 1322
 Minimum sampled depth = 50
 Maximum sampled depth = 283

Month	T	S	Sig-t	NO3	PO4	Si	NH3	POC	PON	Chl	Phae	O2	STAB
Jan													
Feb	0.09	0.019	0.003										0.24
Mar	0.38	0.043	0.018			0.42							0.88
Apr	0.55	0.049	0.040	1.44	0.17	0.74				0.05	0.01		1.06
May	0.57	0.046	0.057	1.93	0.22	1.57	0.53			0.92	0.73	1	1.32
Jun	0.53	0.032	0.062	1.47	0.12	1.04	1.37					5	1.27
Jul	0.77	0.044	0.099	3.94	0.09	1.40							1.56
Aug	0.90	0.032	0.137	2.07	0.18	1.65	0.26					2	1.40
Sep	0.91	0.043	0.141	2.93	0.23	1.57				0.22	0.00	3	1.52
Oct	0.68	0.044	0.111	2.49	0.23	1.46	0.30			0.13	0.06		1.45
Nov	0.37	0.047	0.065	0.47	0.07	1.02	0.15			0.00	0.00		1.37
Dec	0.34	0.041	0.042	1.65	0.14	0.79	0.74			0.02	0.01		1.02

