Data Repository for 'Deep-sea benthic foraminifera: tracers for changes in oceanic productivity?', by E. Thomas and A. J. Gooday.

Depth is given in meters below sea floor, Age in millions of year in the geomagnetic polarity time scale of Berggren et al. (1985), ES(100) gives the number of species recalculated to 100 specimens using rarefaction (Sanders, 1968), and % phyt gives the percentage of *Epistominella exigua* plus *Alabaminella weddellensis* in the samples. The number in the column headings gives the DSDP or ODP sites for which the data are given.

689 depth	689 age Ma	689 ES(100)	689 % phyt	690 depth	690 age	690 ES(100)	690 % phyt
0.02	0.000	24	6.0	0.00	0.000	31	43.5
33.78	10.300	23	7.6	2.10	1.900	27	46.6
43.22	11.390	19	5.1	26.31	10.050	22	24.4
46.72	11.880	22	0.9	30.42	11.440	25	27.5
52.84	14.200	21	1.0	31.53	11.470	22	6.2
62.49	25.400	20	1.2	40.78	14.380	31	14.2
68.92	26.800	23	8.1	45.73	18.160	34	3.6
70.42	27.000	17	11.7	50.40	20.090	27	2.6
71.93	27.200	20	0.5	53.81	26.930	32	2.3
72.51	27.280	27	2.3	60.10	27.740	26	18.7
74.01	27.480	25	17.4	63.51	28.340	29	0.9
75.51	27.680	15	9.5	69.80	29.400	36	6.6
77.01	27.860	23	24.2	73.21	32.060	24	0.0
78.51	28.040	24	29.7	79.40	32.690	28	6.5
80.01	28.250	19	13.3	79.81	32.730	22	20.2
80.66	28.380	14	7.0	81.31	32.880	18	5.8
82.11	28.650	18	12.4	82.81	33.030	25	3.2
83.61	28.940	24	5.8	84.31	33.190	31	0.7
85.11	29.220	25	2.5	85.81	33.330	31	0.9
86.61	29.380	27	6.1	87.31	33.490	36	5.6
88.11	29.540	23	2.1	89.10	33.700	26	2.3
89.61	29.710	29	7.4	89.51	33.710	22	9.6
90.49	29.920	22	1.4	91.01	33.860	27	0.6
91.72	30.270	21	7.7	92.51	34.010	26	2.9
93.22	30.470	19	3.6	94.01	38.970	28	0.6
94.72	30.630	27	2.0	95.51	39.120	28	0.3
96.22	30.800	23	9.0	97.01	39.270	37	0.2
97.72	30.960	26	6.7	98.80	39.450	22	3.0
98.96	31.090	28	2.2	99.21	39.490	30	0.3
101.41	31.540	16	15.3	100.71	39.640	29	1.3
102.91	31.940	23	16.3	102.21	43.650	35	0.9
104.41	32.470	26	4.7	103.71	43.880	34	0.0
105.91	32.730	24	17.9	105.21	44.110	28	0.6
107.41	33.030	19	15.0	106.71	44.340	39	0.0
108.91	33.390	23	8.8	108.50	44.620	36	0.0
110.60	33.800	28	6.1	108.91	44.680	34	0.0
111.01	33.900	17	2.2	110.41	44.910	39	0.3
112.51	34.270	20	1.3	111.91	45.140	36	0.0
114.01	34.630	20	27.8	113.42	45.380	33	0.0
115.14	34.908	27	5.7	114.91	45.610	35	0.0
115.29	34.946	21	3.1	116.41	45.810	37	0.0
115.51	35.000	19	22.1	118.30	46.130	34	0.8
115.54	35.007	17	24.3	118.91	48.810	39	0.0
115.65	35.033	21	12.4	120.41	49.230	38	0.0
116.04	35.124	17	31.2	121.91	49.670	40	0.3
116.28	35.180	27	4.1	123.44	50.110	41	0.3
116.44	35.217	25	17.1	124.91	50.540	34	0.0
116.62	35.259	31	3.9	126.41	50.980	39	0.0
116.79	35.299	27	2.5	128.10	51.470	34	0.0
116.93	35.331	23	3.5	128.51	51.580	36	0.0
117.01	35.350	20	21.2	128.86	51.900	39	0.3
117.16	35.379	29	3.7	130.01	52.020	38	0.6
117.52	35.449	25	14.5	130.36	52.120	45	0.3
117.70	35.483	31	2.9	131.51	52.450	41	0.0
117.94	35.530	22	31.8	131.85	52.550	44	0.3
118.14	35.568	20	26.7	133.01	54.680	43	1.9
118.31	35.601	24	1.6	133.12	54.701	39	0.0
118.51	35.640	27	7.6	133.34	54.744	33	0.9
118.54	35.646	29	7.8	134.51	54.972	28	0.0
119.00	35.753	26	0.3	134.86	55.040	34	0.0
119.20	35.799	28	0.3	136.01	55.264	34	0.3

119.44	35.855	20	0.0	137.80	55.613	35	0.0
119.64	35.900	18	2.8	138.21	55.693	42	0.3
119.81	35.940	20	8.8	139.71	55.985	39	0.0
120.02	35.988	26	8.2	141.21	56.277	31	0.0
120.20	36.030	26	9.4	142.72	56.571	37	0.0
120.22	36.035	20	3.8	144.21	56.862	38	0.0
120.40	36.089	26	6.2	145.71	57.154	34	0.0
120.64	36.160	20	11.1	147.50	57.503	27	1.7
120.74	36.192	27	9.8	147.91	57.582	38	0.0
121.12	36.312	22	0.3	149.41	57.625	32	0.0
121.36	36.389	24	1.9	150.91	57.652	34	0.0
121.57	36.455	23	0.0	152.42	57.678	35	0.6
121.74	36.509	22	4.0	153.91	57.705	33	0.0
121.91	36.563	26	4.8	155.44	57.732	37	0.3
122.12	36.630	22	10.2	157.20	57.763	32	0.0
122.30	36.685	30	4.1	157.63	57.770	29	0.0
122.65	36.762	28	1.6	159.11	57.797	28	0.0
122.86	36.857	30	1.5	160.61	57.823	37	0.0
123.07	36.921	30	10.1	162.12	57.850	29	0.0
123.24	36.973	23	21.3	163.61	57.876	28	0.0
123.40	37.023	27	15.2	165.11	57.903	22	0.0
123.60	37.087	28	18.3	166.65	57.930	23	0.0
123.62	37.090	26	3.7	167.31	57.942	20	0.0
123.76	37.168	29	14.3	167.65	57.948	26	0.0
124.14	37.302	27	2.5	168.07	57.955	23	0.0
124.57	37.470	32	7.7	168.81	57.968	26	0.0
124.74	37.538	32	9.1	169.16	57.975	22	0.0
124.90	37.602	31	7.0	169.58	57.982	24	0.0
125.07	37.670	29	2.8	170.31	57.995	25	0.0
125.12	37.690	29	3.8	170.42	57.997	31	0.0
125.25	37.706	25	2.8	170.51	57.998	25	0.0
125.65	37.741	25	3.1	170.57	57.999	29	0.0
125.88	37.786	24	3.5	170.63	58.001	46	0.0
126.07	37.810	22	0.0	170.66	58.003	43	0.0
126.24	37.832	21	0.0	171.05	58.019	44	0.0
126.39	37.850	27	0.6	171.85	58.011	39	0.0
126.59	37.876	38	1.8	172.16	58.066	47	0.0
126.62	37.880	31	1.9	173.31	58.115	46	0.0
126.79	37.902	29	10.1	173.69	58.131	38	0.0
127.14	37.947	42	6.4	174.30	58.156	35	0.0
127.32	37.970	37	3.9	174.71	58.174	37	0.0
127.57	38.002	31	5.6	176.21	58.237	48	0.0
127.74	38.024	25	25.7	177.71	58.300	42	0.0
127.89	38.043	29	3.4	179.22	58.364	37	0.0
128.12	38.070	27	8.3	180.28	58.409	34	0.0
128.13	38.072	32	1.3	180.71	58.427	41	0.0
128.29	38.095	31	5.6	182.21	58.491	38	0.0
128.64	38.140	32	5.5	183.71	58.554	44	0.0
128.83	38.164	30	3.8	184.86	58.603	36	0.0
129.07	38.195	31	5.5	185.20	58.617	36	0.0
129.24	38.217	33	6.0	185.71	58.650	38	0.0
129.43	38.242	37	6.6	187.13	58.730	35	0.0
129.64	38.269	36	7.3	188.63	58.820	40	0.0
129.76	38.284	29	0.3	191.15	58.976	43	0.0
130.32	38.500	30	3.0				
131.82	38.800	26	0.0				
133.32	39.100	31	1.3				
134.82	39.370	35	1.0				
136.32	39.580	24	0.7				
137.82	39.730	32	4.7				
139.40	39.890	31	7.4				
139.81	39.930	28	3.5				

141.31	40.070	30	1.3				
142.81	40.220	30	0.9				
144.31	40.370	29	1.7				
145.81	40.520	31	2.3				
147.31	40.660	26	0.6				
148.81	40.810	20	0.6				
149.09	40.840	27	4.6				
149.51	40.880	27	0.6				
151.01	41.030	26	0.3				
152.51	41.170	19	0.5				
154.01	41.380	21	2.2				
155.51	41.830	27	5.1				
157.01	42.270	21	4.9				
158.51	42.710	32	4.9				
158.80	42.800	25	2.0				
159.20	42.920	25	2.1				
160.70	43.360	29	0.3				
162.20	43.790	21	1.6				
163.70	44.200	40	1.6				
165.20	44.570	29	0.0				
166.85	45.010	25	0.0				
167.31	45.140	26	0.0				
168.81	45.550	34	0.0				
170.31	45.950	27	0.0				
171.81	46.320	29	0.2				
173.31	46.640	23	0.0				
174.81	46.960	31	2.5				
177.05	47.420	32	1.0				
178.52	47.740	36	1.0				
180.02	48.060	37	0.3				
181.52	48.380	27	0.3				
183.02	48.690	27	0.3				
184.46	48.880	28	0.0				
188.22	49.290	39	0.9				
189.72	49.460	36	1.9				
191.22	49.610	30	0.3				
192.28	49.730	29	0.0				
197.91	50.340	30	0.0				
199.41	50.560	33	0.0				
200.91	50.770	33	0.0				
202.41	50.990	31	0.0				
203.12	56.847	28	0.0				
203.91	57.040	24	0.0				
204.63	57.207	22	0.0				
205.10	57.316	22	0.0				
205.43	57.392	20	0.0				
207.61	57.898	31	0.0				
208.01	57.991	29	0.0				
208.08	58.003	37	0.0				
208.15	58.009	40	0.0				
208.27	58.020	40	0.0				
208.38	58.460	39	0.0				
209.11	58.548	51	0.0				
210.61	58.720	34	0.0				
212.11	58.900	29	0.0				
212.85	58.990	34	0.0				

573 depth	573 age Ma	573 ES(100)	573 % phyt	574 depth	574 age Ma	574 ES(100)	574 % phyt	865 depth	865 age Ma
1.97	0.400	43	8.8	117.65	12.000	49	11.4	19.20	39.361
11.46	0.700	38	16.5	122.53	12.500	45	8.0	20.70	40.178
20.76	1.400	46	10.7	128.73	12.700	46	14.7	22.20	40.371
30.48	2.000	46	13.0	137.57	13.200	46	9.0	23.70	40.565
39.35	2.800	46	9.0	142.18	13.400	39	9.9	25.20	40.838
48.01	3.500	45	16.3	148.24	13.800	42	12.6	26.70	40.952
57.09	3.900	50	11.7	152.48	14.000	49	6.6	27.40	41.043
66.60	4.400	48	1.4	157.52	14.400	43	2.1	28.70	41.210
76.18	5.000	47	7.0	167.49	15.000	51	11.8	30.20	41.447
85.76	5.500	48	6.8	172.52	15.100	42	5.3	31.70	41.724
94.98	5.700	47	10.6	177.79	15.300	47	2.1	33.20	42.000
104.18	5.900	48	3.5	182.19	15.500	49	0.5	34.70	42.277
112.57	6.200	44	16.6	187.14	15.600	50	4.2	35.20	42.369
122.00	6.600	43	15.9	192.27	16.100	48	9.0	38.24	42.962
131.29	6.800	45	10.1	197.18	16.500	46	5.2	39.70	43.198
140.07	7.200	48	10.2	202.16	16.700	46	2.3	41.24	43.482
148.99	7.700	43	8.3	206.51	17.000	45	1.6	42.70	43.751
157.61	7.900	48	4.8	213.38	17.100	47	2.6	43.97	43.985
167.20	8.900	43	5.2	218.78	17.500	48	8.6	44.44	44.064
176.58	9.200	42	16.2	226.67	17.800	52	6.3	49.20	44.860
185.86	10.600	43	14.0	238.79	18.200	54	6.4	52.20	45.272
195.96	11.800	41	16.8	261.13	19.400	50	0.5	55.11	45.671
203.43	12.000	45	2.6	265.85	19.700	49	1.5	58.70	46.164
214.72	13.200	44	2.3	275.28	20.000	41	3.9	61.70	46.576
224.08	14.200	47	8.3	289.54	20.400	48	4.2	63.79	46.863
232.76	14.800	42	13.8	294.00	20.900	53	10.2	68.20	47.618
242.88	15.600	45	5.7	308.39	21.600	50	0.9	71.20	48.929
250.22	16.400	47	5.4	314.94	21.800	48	3.6	74.06	50.179
262.11	17.200	44	2.2	321.38	22.200	49	1.2	77.70	51.770
271.59	18.000	43	10.0	336.85	22.900	37	7.6	80.70	53.776
279.93	20.100	41	9.6	341.88	23.000	46	4.5	82.56	54.074
288.73	20.300	38	14.6	353.97	24.700	48	10.5	87.20	54.816
298.24	22.000	42	5.6	358.48	25.300	49	3.8	88.70	55.056
304.62	22.400	45	5.0	368.17	26.700	44	0.5	90.20	55.338
312.74	22.800	47	5.0	384.25	28.000	50	1.0	91.61	55.662
328.25	24.000	52	1.4	390.65	28.500	46	0.0	95.20	56.488
334.99	24.300	55	5.2	398.87	29.200	45	0.5	96.70	56.834
343.99	25.000	45	3.9	412.32	30.300	48	0.5	98.20	57.179
353.71	25.600	45	0.4	419.47	30.900	46	0.0	99.70	57.524
362.24	26.300	43	3.7	424.51	31.300	51	0.5	101.20	57.829
368.41	26.800	45	1.5	435.90	32.200	43	0.0	101.95	57.902
383.71	27.700	53	1.0	446.86	33.100	41	1.4	102.71	57.977
392.46	28.700	55	1.0	451.57	33.500	38	0.5	102.81	57.986
399.90	31.000	48	3.3	461.63	34.441	52	0.0	102.83	57.988
411.87	32.000	44	0.0	463.02	34.552	51	0.0	102.85	57.990
420.38	32.200	47	0.0	464.47	34.647	48	0.0	102.87	57.992
425.53	32.400	46	0.9	465.27	34.800	41	0.0	102.89	57.994
437.50	32.700	47	0.0	471.11	34.761	40	0.0	102.91	57.996
450.68	33.200	47	0.8	472.61	34.778	42	0.0	102.93	57.998
454.43	33.500	40	0.5	474.11	34.792	42	0.0	102.95	58.000
468.95	33.700	45	0.5	474.85	34.800	46	0.0	102.97	58.002
476.08	33.900	49	0.9	480.53	34.868	48	0.0	102.98	58.003
482.28	34.300	47	0.0	482.03	34.887	47	0.4	103.01	58.005
494.41	34.700	48	0.5	483.15	34.900	43	0.0	103.03	58.007
503.92	34.900	41	0.0	490.03	35.174	48	0.0	103.11	58.014
511.04	35.000	45	0.9	491.53	35.234		0.0	103.21	58.024
522.46	36.200	40	0.9	493.03	35.294		0.0	104.70	58.159
526.42	37.400	51	1.5	493.19	35.300	51	0.0	107.70	58.430
				499.64	35.953	49	0.0	114.17	59.015
				501.14	36.105	48	0.5	123.70	60.221
				502.64	36.257	42	0.9	134.70	62.640
				503.40	36.334	40	0.0	135.52	64.991
				503.92	36.386	41	0.8		
				504.40	36.435		0.9		
				504.46	36.441	43	0.0		
				504.77	36.472	41	1.3		

				505.05	36.501	41	2.3		
				505.23	36.519	39	0.0		
				505.41	36.537	50	1.7		
				505.92	36.589		0.0		
				506.03	36.600	50	0.0		
				508.40	36.751	42	0.0		
				508.72	36.771	46	0.3		
				509.05	36.792	43	0.0		
				509.19	36.801	46	0.9		
				509.39	36.814	41	0.0		
				509.76	36.838	43	0.0		
				510.69	36.897	42	0.0		
				510.74	36.900	45	1.4		
				517.57	37.116	44	0.5		
				518.48	37.145	46	0.0		
				518.60	37.149	40	0.0		
				518.77	37.154	48	0.0		
				519.52	37.177	47	0.0		
				519.53	37.178	48	0.0		
				520.00	37.190	50	0.0		
				520.23	37.200	47	0.0		

865 ES(100)	865 % phyt
43	0.0
36	0.0
38	0.0
34	0.0
33	0.0
38	0.0
40	0.0
31	0.0
34	0.0
36	0.0
34	0.0
40	0.0
37	0.0
40	0.0
41	0.0
39	0.0
41	0.0
36	0.0
37	0.0
38	0.0
43	0.0
37	0.0
42	0.0
41	0.0
34	0.0
34	0.0
41	0.0
31	0.0
42	0.0
36	0.0
40	0.0
44	0.0
36	0.0
36	0.0
37	0.0
35	0.0
37	0.0
37	0.0
37	0.0
30	0.0
35	0.0
36	0.0
26	0.0
23	0.0
28	0.0
26	0.0
26	0.0
26	0.0
29	0.0
27	0.0
40	0.0
34	0.0
49	0.0
34	0.0
41	0.0
44	0.0
46	0.0
50	0.0
46	0.0
47	0.0
45	0.0
46	0.0