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## APPENDIX 1. P71 DATA

### 1.1. Sieve data

Core P71									
Depth (cm)	Al dish/pot wt (g)	Wet sample wt (g)	Dry sample wt (g)	<63µm container (g)	<63µm wt (g)	>63µm wt (g)	63-150µm wt (g)	>150µm wt (g)	<63 wt-<container
0-1	1.403	2.905	2.892	129.43	130	0.704	0.26	0.43	0.57
1-2	1.1731	3.1142	3.0894	172.5008	173.4884	0.7537	0.4443	7.9316	0.99
2-3	1.193	3.061	3.047	128.94	130.1	0.5774	0.34	0.23	1.16
3-4	1.3755	3.208	3.1828	166.8949	168.073	0.5395	0.3179	0.22	1.18
4-5	1.169	2.219	2.211	127.7	128.4	0.3034	0.2	0.11	0.70
5-6	1.1603	3.1057	3.0772	171.9265	173.1513	0.6193	0.3638	0.2536	1.22
6-7	1.171	2.922	2.909	127.41	128.5	0.5312	0.32	0.21	1.09
7-8	1.3828	3.206	3.0768	168.756	169.8733	0.4996	0.3842	0.2088	1.12
8-9	1.144	2.68	2.671	127.45	128.4	0.5399	0.27	0.26	0.95
10-11	1.153	3.025	3.011	161.51	162.7	0.5817	0.33	0.24	1.19
12-13	1.376	2.936	2.925	127.11	128.1	0.4959	0.25	0.25	0.99
14-15	1.391	3.423	3.407	132.69	134	0.6637	0.32	0.32	1.31
16-17	1.376	3.097	3.085	139.92	141	0.5849	0.31	0.27	1.08
18-19	1.395	3.183	3.169	132.6	133.7	0.5802	0.33	0.24	1.10
20-21	1.173	2.974	2.964	149.77	150.8	0.729	0.39	0.32	1.03
22-23	1.383	3.197	3.186	129.79	130.8	0.7227	0.39	0.33	1.01
23-24	1.3955	3.1497	3.1394	170.5873	171.4764	0.8092	0.4278	0.3787	0.89
24-25	7.767	9.509	9.49	19.36	20.294	0.745	0.393	0.337	0.93
25-26	1.3899	3.1657	3.077	164.272	165.261	0.6555	0.3688	0.2844	0.99
26-27	7.839	9.663	9.646	19.354	20.253	0.885	0.476	0.398	0.90
28-29	7.849	9.364	9.349	19.418	20.065	0.818	0.399	0.409	0.65

30-31	7.765	9.627	9.609	19.25	19.995	1.068	0.525	0.518	0.75
32-33	7.829	9.56	9.543	19.32	19.918	1.069	0.454	0.6	0.60
34-35	7.85	9.616	9.599	19.38	19.908	1.207	0.524	0.657	0.53
36-37	7.852	9.511	9.494	19.399	19.776	1.181	0.58	0.582	0.38
38-39	7.851	9.542	9.53	19.382	19.847	1.207	0.588	0.6	0.47
40-41	7.763	9.403	9.392	19.434	19.897	1.15	0.598	0.535	0.46
42-43	7.85	9.701	9.689	19.326	19.904	1.259	0.675	0.566	0.58
44-45	7.77	9.514	9.496	19.396	19.828	1.21	0.612	0.585	0.43
46-47	7.83	9.642	9.628	19.41	20.03	1.128	0.583	0.534	0.62
48-49	2.192	3.835	3.83	19.448	19.951	1.073	0.56	0.486	0.50
50-51	2.193	3.818	3.812	19.379	19.909	1.029	0.537	0.469	0.53
52-53	2.197	3.711	3.707	19.371	19.901	0.926	0.448	0.439	0.53
54-55	2.203	3.836	3.827	19.41	19.949	1.023	0.516	0.492	0.54
56-57	2.212	3.935	3.928	19.365	19.959	1.102	0.573	0.508	0.59
58-59	2.212	3.533	3.529	19.456	19.841	0.809	0.414	0.379	0.39
60-61	2.198	3.536	3.531	19.41	19.911	0.823	0.408	0.396	0.50
62-63	2.195	3.69	3.682	19.481	20.05	0.892	0.443	0.431	0.57
64-65	2.192	3.827	3.822	19.364	19.97	0.987	0.491	0.482	0.61
66-67	2.197	3.693	3.687	19.428	20.155	0.718	0.372	0.334	0.73
68-69	2.188	3.723	3.714	19.449	20.307	0.658	0.341	0.297	0.86
70-71	2.201	3.732	3.72	19.446	20.291	0.632	0.323	0.298	0.84
72-73	2.1943	3.6885	3.681	19.434	20.227	0.6	0.331	0.251	0.79
74-75	2.2125	3.7258	3.719	19.421	20.26	0.53	0.295	0.266	0.84
76-77	2.1879	3.7892	3.788	19.455	20.304	0.69	0.363	0.305	0.85
78-79	2.2104	3.9918	3.987	19.344	20.326	0.72	0.387	0.321	0.98
80-81	2.1972	3.9947	3.99	19.39	20.46	0.68	0.386	0.27	1.07
82-83	2.1927	3.7032	3.701	19.36	20.22	0.6	0.32	0.267	0.86
84-85	2.1919	4.011	4.006	19.311	20.404	0.65	0.366	0.272	1.09

86-87	2.1932	3.5341	3.532	19.188	19.946	0.52	0.295	0.214	0.76
88-89	2.2035	3.6411	3.638	19.319	20.001	0.7	0.358	0.324	0.68
90-91	2.1975	3.7944	3.792	19.264	20.109	0.69	0.392	0.293	0.85
92-93	2.2118	3.6164	3.614	19.39	20.094	0.69	0.375	0.282	0.70
94-95	2.1967	3.1392	3.139	19.341	19.81	0.47	0.26	0.198	0.47
96-97	2.21	3.6958	3.689	19.352	20.088	0.7	0.393	0.302	0.74
98-99	2.2169	3.9545	3.95	19.304	20.149	0.83	0.444	0.372	0.85
100-101	2.1914	4.0883	4.078	19.365	20.417	0.74	0.412	0.319	1.05
102-103	2.2105	3.9596	3.951	19.372	20.448	0.59	0.325	0.254	1.08
104-105	7.847	9.45	9.431	19.359	20.328	0.55	0.301	0.243	0.97
106-107	7.835	9.22	9.201	19.289	20.156	0.46	0.253	0.196	0.87
108-109	7.852	9.691	9.665	19.328	20.528	0.55	0.32	0.22	1.20
110-111	7.77	10.024	9.997	19.436	20.709	0.84	0.456	0.37	1.27
112-113	7.763	9.123	9.109	19.401	20.197	0.539	0.294	0.236	0.80
114-115	7.825	9.904	9.883	19.362		0.818	0.462	0.343	
116-117	7.766	9.381	9.364	19.315	20.13	0.74	0.354	0.375	0.81
118-119	7.831	9.255	9.243	19.343	20.062	0.62	0.341	0.268	0.72
120-121	7.829	9.242	9.23	19.362	20.071	0.65	0.358	0.29	0.71
122-123	7.769	9.321	9.306	19.478	20.301	0.67	0.377	0.281	0.82
124-125	7.834	9.477	9.46	19.368	20.215	0.75	0.412	0.322	0.85
126-127	7.848	9.305	9.289	19.431	20.185	0.66	0.358	0.282	0.75
128-129	7.829	9.465	9.446	19.426	20.291	0.73	0.418	0.3	0.87
130-131	7.842	9.306	9.289	19.328	20.085	0.68	0.384	0.284	0.76
132-133	7.765	9.577	9.568	19.432	20.359	0.83	0.462	0.351	0.93
134-135	7.841	9.466	9.454	19.349	20.107	0.81	0.434	0.359	0.76
136-137	7.838	9.608	9.587	19.413	20.253	0.86	0.462	0.387	0.84
138-139	7.851	9.429	9.416	19.418	20.105	0.82	0.405	0.409	0.69
140-141	7.851	9.376	9.363	19.372	20.012	0.82	0.406	0.409	0.64

142-143	7.772	9.952	9.933	19.397	20.438	1.06	0.564	0.488	1.04
144-145	7.846	9.253	9.242	19.396	19.95	0.82	0.429	0.376	0.55
146-147	7.764	9.371	9.362	19.374	20.013	0.95	0.476	0.455	0.64
148-149	7.83	9.366	9.357	19.446	19.838	1.09	0.5	0.571	0.39
150-151	7.837	9.563	9.551	19.414	19.988	1.13	0.541	0.579	0.57
152-153	7.838	9.349	9.343	19.393	19.791	1.1	0.538	0.55	0.40
154-155	7.834	9.713	9.703	19.416	20.018	1.33	0.66	0.654	0.60
156-157	7.761	9.351	9.339	19.328	19.901	1.02	0.512	0.491	0.57
158-159	7.861	9.336	9.313	19.366	19.907	0.91	0.485	0.409	0.54
160-161	7.854	9.619	9.598	19.304	20.06	0.98	0.537	0.439	0.76
162-163	7.766	9.486	9.472	19.266	19.966	1.09	0.593	0.483	0.70
164-165	7.826	9.417	9.41	19.349	19.927	1.04	0.522	0.502	0.58
166-167	7.765	9.318	9.309	19.394	19.954	0.96	0.492	0.457	0.56
168-169	7.828	9.435	9.423	19.319	19.847	1.1	0.528	0.565	0.53
170-171	7.851	9.36	9.353	19.299	19.773	1.05	0.51	0.533	0.47
172-173	7.833	9.462	9.451	19.356	19.871	1.12	0.568	0.54	0.51
174-175	7.777	9.585	9.566	19.345	19.975	1.15	0.581	0.554	0.63
176-177	7.847	9.48	9.475	19.364	19.986	1.01	0.527	0.477	0.62
178-179	7.77	9.425	9.414	19.452	20.128	0.84	0.459	0.373	0.68
180-181	7.833	9.637	9.622	19.339	20.173	0.99	0.52	0.46	0.83
182-183	7.845	9.494	9.483	19.307	19.9	0.93	0.471	0.452	0.59
184-185	1.4052	2.8454	2.844	164.91	165.32	0.8152	0.43	0.35	0.41
186-187	1.1692	2.653	2.6424	149.93	150.37	0.7894	0.44	0.34	0.44
188-189	1.1782	2.6341	2.5635	140.07	140.74	0.4858	0.3	0.19	0.67
190-191	1.3478	2.6999	2.6969	129.88	130.63	0.4879	0.28	0.18	0.75
192-193	1.1767	2.6798	2.6577	132.74	133.71	0.3862	0.23	0.14	0.97
194-195	7.772	8.4	8.393	19.328	19.635	0.318	0.157	0.151	0.31
196-197	7.769	8.817	8.81	19.419	19.901	0.55	0.271	0.272	0.48

198-199	7.762	8.659	8.654	19.454	19.875	0.466	0.222	0.235	0.42
200-201	7.836	9.395	9.382	19.287	20.256	0.553	0.318	0.229	0.97
202-203	7.859	9.719	9.69	19.29	20.583	0.496	0.281	0.203	1.29
204-205	7.772	9.393	9.378	19.363	20.565	0.355	0.219	0.129	1.20
206-207	7.852	9.515	9.501	19.416	20.659	0.346	0.204	0.125	1.24
208-209	1.3941	2.7657	2.7379	172.5008	173.4762	0.2925	9.5719	9.5719	0.98
210-211	1.3751	2.6646	2.6586	170.5856	171.4886	0.2849	0.1498	0.1266	0.90
212-213	1.3946	2.6969	2.6912	166.8936	167.8274	0.2995	0.1558	0.1296	0.93
214-215	1.3988	2.6772	2.6603	171.9262	172.8085	0.3061	0.1484	0.1388	0.88
216-217	1.396	2.6301	2.6256	125.8672	126.7184	0.3093	0.147	0.1409	0.85
218-219	1.1319	2.6566	2.6505	149.601	150.6703	0.3757	0.1816	0.1721	1.07
220-221	7.87	9.653	9.61	19.319	20.514	0.534	0.299	0.215	1.20
222-223	7.847	9.465	0.458	19.451	20.422	0.602	0.301	0.286	0.97
224-225	7.839	9.346	9.332	19.336	20.271	0.53	0.314	0.208	0.94
226-227	7.85	9.343	9.336	19.386	20.405	0.44	0.267	0.159	1.02
228-229	7.774	9.394	9.382	19.422	20.383	0.633	0.351	0.268	0.96
230-231	7.834	9.395	9.391	19.337	20.311	0.545	0.313	0.217	0.97
232-233	7.827	9.512	9.506	19.279	20.071	0.856	0.433	0.409	0.79
234-235	7.843	9.811	9.804	19.37	20.55	0.739	0.414	0.312	1.18
236-237	7.875	9.626	9.587	19.294	20.04	0.976	0.513	0.448	0.75
238-239	7.844	9.634	9.629	19.362	20.153	0.955	0.511	0.433	0.79
240-241	7.766	9.401	9.397	19.334	20.067	0.864	0.488	0.363	0.73
242-243	7.844	9.226	9.209	19.356	20.035	0.67	0.386	0.271	0.68
244-245	7.832	9.237	9.221	19.363	20.091	0.653	0.373	0.265	0.73
246-247	7.825	9.557	9.536	19.316	20.221	0.779	0.448	0.324	0.91
248-249	7.849	9.533	9.515	19.363	20.291	0.726	0.387	0.329	0.93
250-251	7.845	9.515	9.496	19.406	20.374	0.671	0.384	0.275	0.97
252-253	7.845	9.172	9.157	19.319	20.134	0.479	0.295	0.177	0.82

254-255	7.769	9.375	9.354	19.372	20.196	0.734	0.406	0.318	0.82
256-257	7.828	9.439	9.425	19.389	20.186	0.786	0.437	0.332	0.80
258-259	7.837	9.297	9.284	19.337	19.906	0.861	0.421	0.424	0.57
260-261	7.762	9.622	9.605	19.211	20.009	1.014	0.517	0.489	0.80
262-263	7.827	9.43	9.416	19.282	19.979	0.881	0.465	0.385	0.70
264-265	7.767	9.721	9.701	19.344	20.231	1.001	0.557	0.431	0.89
266-267	7.761	9.876	9.859	19.37	20.215	1.171	0.63	0.533	0.84
268-269	7.845	9.655	9.636	19.361	20.077	1.023	0.562	0.448	0.72
270-271	7.769	9.781	9.752	19.385	20.093	1.193	0.603	0.565	0.71

## 1.2. Grain size percentages from sieve data

Core P71				
Depth (cm)	sum of <63, 63-150 and >150	% <63	% 63-150	% >150
0-1	1.26	45.2381	20.63492	34.12698
1-2	Container weight not measured			
2-3	1.73	67.05202	19.65318	13.2948
3-4	1.72	68.65385	18.52564	12.82051
4-5	1.01	69.30693	19.80198	10.89109
5-6	1.84	66.48572	19.74813	13.76615
6-7	1.62	67.28395	19.75309	12.96296
7-8	1.71	65.32772	22.4639	12.20838
8-9	1.48	64.18919	18.24324	17.56757
10-11	1.76	67.61364	18.75	13.63636
12-13	1.49	66.44295	16.77852	16.77852
14-15	1.95	67.17949	16.41026	16.41026

16-17	1.66	65.06024	18.6747	16.26506
18-19	1.67	65.86826	19.76048	14.37126
20-21	1.74	59.1954	22.41379	18.3908
22-23	1.73	58.3815	22.54335	19.07514
23-24	1.70	52.43572	25.23001	22.33428
24-25	1.66	56.12981	23.61779	20.2524
25-26	1.64	60.22409	22.45768	17.31823
26-27	1.77	50.70502	26.84715	22.44783
28-29	1.46	44.46735	27.42268	28.10997
30-31	1.79	41.66667	29.36242	28.97092
32-33	1.65	36.19855	27.48184	36.31961
34-35	1.71	30.89526	30.66121	38.44353
36-37	1.54	24.49643	37.68681	37.81676
38-39	1.65	28.13067	35.57169	36.29764
40-41	1.60	29.01003	37.46867	33.5213
42-43	1.82	31.7757	37.1083	31.116
44-45	1.63	26.51934	37.56906	35.9116
46-47	1.74	35.69372	33.56362	30.74266
48-49	1.55	32.47256	36.15236	31.37508
50-51	1.54	34.50521	34.96094	30.53385
52-53	1.42	37.40296	31.61609	30.98095
54-55	1.55	34.84163	33.35488	31.80349
56-57	1.68	35.46269	34.20896	30.32836
58-59	1.18	32.68251	35.14431	32.17317
60-61	1.31	38.3908	31.26437	30.34483
62-63	1.44	39.43174	30.69993	29.86833
64-65	1.58	38.37872	31.09563	30.52565
66-67	1.43	50.73273	25.95953	23.30775



68-69	1.50	57.35294	22.79412	19.85294
70-71	1.47	57.63984	22.03274	20.32742
72-73	1.38	57.67273	24.07273	18.25455
74-75	1.40	59.92857	21.07143	19
76-77	1.52	55.96572	23.92881	20.10547
78-79	1.69	58.10651	22.89941	18.99408
80-81	1.73	61.99305	22.36385	15.64311
82-83	1.45	59.43331	22.11472	18.45197
84-85	1.73	63.14269	21.14385	15.71346
86-87	1.27	59.82636	23.28335	16.89029
88-89	1.36	50	26.24633	23.75367
90-91	1.53	55.22876	25.62092	19.15033
92-93	1.36	51.72667	27.55327	20.72006
94-95	0.93	50.59331	28.04746	21.35922
96-97	1.43	51.43256	27.46331	21.10412
98-99	1.66	50.87297	26.73089	22.39615
100-101	1.78	59.00168	23.10712	17.89119
102-103	1.66	65.01511	19.63746	15.34743
104-105	1.51	64.04494	19.89425	16.06081
106-107	1.32	65.88146	19.22492	14.89362
108-109	1.74	68.96552	18.3908	12.64368
110-111	2.10	60.64793	21.72463	17.62744
112-113	1.33	60.03017	22.17195	17.79789
114-115	Container weight not measured			
116-117	1.54	52.78497	22.92746	24.28756
118-119	1.33	54.14157	25.67771	20.18072
120-121	1.36	52.24761	26.38172	21.37067
122-123	1.48	55.57056	25.45577	18.97367

124-125	1.58	53.57369	26.05946	20.36686
126-127	1.39	54.08895	25.68149	20.22956
128-129	1.58	54.64308	26.40556	18.95136
130-131	1.43	53.12281	26.94737	19.92982
132-133	1.74	53.27586	26.55172	20.17241
134-135	1.55	48.8717	27.98195	23.14636
136-137	1.69	49.73357	27.35346	22.91297
138-139	1.50	45.76949	26.98201	27.2485
140-141	1.46	43.98625	27.90378	28.10997
142-143	2.09	49.73722	26.94697	23.31581
144-145	1.36	40.76527	31.56733	27.6674
146-147	1.57	40.70064	30.31847	28.98089
148-149	1.46	26.79426	34.17635	39.02939
150-151	1.69	33.8843	31.93625	34.17946
152-153	1.49	26.78331	36.20458	37.01211
154-155	1.92	31.41962	34.44676	34.13361
156-157	1.58	36.35787	32.48731	31.15482
158-159	1.44	37.70035	33.79791	28.50174
160-161	1.73	43.64896	31.00462	25.34642
162-163	1.78	39.41441	33.38964	27.19595
164-165	1.60	36.0799	32.58427	31.33583
166-167	1.51	37.11067	32.60437	30.28496
168-169	1.62	32.57249	32.57249	34.85503
170-171	1.52	31.24588	33.61898	35.13514
172-173	1.62	31.73136	34.99692	33.27172
174-175	1.77	35.69405	32.91785	31.3881
176-177	1.63	38.25338	32.41082	29.33579
178-179	1.51	44.82759	30.43767	24.73475

180-181	1.81	45.97574	28.66593	25.35832
182-183	1.52	39.11609	31.0686	29.8153
184-185	1.19	34.45378	36.13445	29.41176
186-187	1.22	36.06557	36.06557	27.86885
188-189	1.16	57.75862	25.86207	16.37931
190-191	1.21	61.98347	23.1405	14.87603
192-193	1.34	72.38806	17.16418	10.44776
194-195	0.62	49.9187	25.52846	24.55285
196-197	1.03	47.02439	26.43902	26.53659
198-199	0.88	47.94989	25.28474	26.76538
200-201	1.52	63.91821	20.97625	15.10554
202-203	1.78	72.76308	15.81317	11.42375
204-205	1.55	77.54839	14.12903	8.322581
206-207	1.57	79.07125	12.9771	7.951654
208-209	Container weight not measured			
210-211	1.18	76.56435	12.70137	10.73427
212-213	1.22	76.59121	12.77887	10.62992
214-215	1.17	75.4425	12.68918	11.86832
216-217	1.14	74.72566	12.90492	12.36941
218-219	1.42	75.14406	12.76177	12.09417
220-221	1.71	69.92393	17.49561	12.58046
222-223	1.56	62.32349	19.31964	18.35687
224-225	1.46	64.17296	21.55113	14.27591
226-227	1.45	70.51903	18.47751	11.00346
228-229	1.58	60.82278	22.21519	16.96203
230-231	1.50	64.76064	20.81117	14.42819
232-233	1.63	48.47001	26.49939	25.0306
234-235	1.91	61.90976	21.72088	16.36936

236-237	1.71	43.7024	30.05272	26.24487
238-239	1.74	45.59078	29.45245	24.95677
240-241	1.58	46.27525	30.80808	22.91667
242-243	1.34	50.82335	28.89222	20.28443
244-245	1.37	53.29429	27.306	19.39971
246-247	1.68	53.96541	26.71437	19.32021
248-249	1.64	56.44769	23.54015	20.01217
250-251	1.63	59.496	23.60172	16.90227
252-253	1.29	63.32556	22.92152	13.75291
254-255	1.55	53.22997	26.22739	20.54264
256-257	1.57	50.894	27.90549	21.20051
258-259	1.41	40.24045	29.77369	29.98586
260-261	1.80	44.23503	28.65854	27.10643
262-263	1.55	45.05495	30.05818	24.88688
264-265	1.88	47.30667	29.70667	22.98667
266-267	2.01	42.08167	31.3745	26.54382
268-269	1.73	41.4832	32.56083	25.95597
270-271	1.88	37.73987	32.14286	30.11727

### 1.3 Age Model

Depth (cm)	Age (ka)
0	0
2	4.290202
4	8.580404
6	11.35099
8	14.12157
10	15.18614
12	16.25072
14	17.31529
16	18.37986
18	19.44444
20	20.50901
22	21.57358
24	22.63816
26	23.70273
28	24.76731
30	25.83188
32	26.89645
34	27.96103
36	29.0256
38	31.76981
40	34.51401
42	37.47749
44	40.44096
46	43.40443
48	46.3679
50	49.33138
52	52.29485
54	55.25832
56	58.2218

58	61.18527
60	64.14874
62	67.11222
64	70.07569
66	72.80523
68	75.53476
70	77.93088
72	80.32701
74	82.72313
76	85.11926
78	86.70011
80	88.28097
82	89.84676
84	91.41255
86	92.97834
88	94.54413
90	96.10992
92	97.67571
94	99.2415
96	100.8073
98	102.3731
100	103.9389
102	105.5047
104	107.0705
106	108.6362
108	110.202
110	111.7678
112	113.3336
114	115.1631
116	116.9926
118	119.0311
120	121.0697
122	123.1083

124	125.1468
126	127.1854
128	129.224
130	131.0581
132	132.8922
134	134.3727
136	135.8532
138	137.3337
140	138.8142
142	140.2947
144	141.7752
146	143.2557
148	144.7362
150	146.8369
152	148.9376
154	151.399
156	153.8603
158	158.0026
160	162.1449
162	167.0308
164	171.9167
166	176.3706
168	180.8245
170	185.2784
172	189.7323
174	191.3033
176	192.8744
178	194.0051
180	195.1359
182	196.2667
184	197.3974
186	198.5282
188	199.659

190	200.7897
192	201.9205
194	203.0513
196	204.182
198	205.3128
200	206.4436
202	207.5743
204	208.7051
206	209.8359
208	210.9667
210	212.0974
212	213.2282
214	214.359
216	215.4897
218	216.6205
220	217.7513
222	219.1314
224	220.5115
226	221.8916
228	223.2718
230	224.7973
232	226.3229
234	227.8485
236	229.3741
238	230.8997
240	232.4252
242	234.3882
244	236.3512
246	238.672
248	240.9928
250	243.3135
252	245.6343
254	247.9551



256	250.2759
258	252.5966
260	254.9174
262	257.2382
264	259.5589
266	261.8797
268	264.2005
270	266.1721

#### 1.4. Oxygen and Carbon Isotope Data

Depth (cm)	$\delta^{13}\text{C}$ <i>Cibicoides</i> <i>spp.</i>	$\delta^{18}\text{O}$ <i>Cibicoides</i> <i>spp.</i>	Age (ka)	$\delta^{18}\text{O}$ <i>Cibicoides</i> <i>spp.</i> Corrected	Depth (cm)	$\delta^{13}\text{C}$ <i>G. ruber</i>	$\delta^{18}\text{O}$ <i>G. ruber</i>	Age (ka)
0	0.2635321	2.60624034	0	3.24624034	0	1.10726086	-0.4374163	0
12	0.20151777	3.73348759	16.2507153	4.37348759	4	0.99178372	-0.6700159	8.58040368
16	0.11244767	3.84215783	18.3798631	4.48215783	8	0.71942464	-0.6856313	14.1215675
20	-0.0111686	4.09376453	20.509011	4.73376453	12	0.72898224	-0.9265254	16.2507153
24	0.42807714	3.1007223	22.6381588	3.7407223	16	0.54519299	0.07216796	18.3798631
28	0.33665409	3.31091594	24.7673066	3.95091594	16	0.6756625	0.0390448	18.3798631
32	0.29305024	4.0276056	26.8964545	4.6676056	20	0.69417408	0.26282331	20.509011
36	0.34884458	3.55082272	29.0256023	4.19082272	24	0.90822194	0.71555655	22.6381588
40	0.38967497	3.55143403	34.5140122	4.19143403	28	1.3066977	0.64743718	24.7673066
44	0.41085468	3.2792586	40.4409586	3.9192586	32	1.14031998	0.77733889	26.8964545
48	0.35178762	3.37148212	46.367905	4.01148212	36	0.89434854	0.19757039	29.0256023
56	0.22335481	3.53613566	58.2217978	4.17613566	40	1.31016706	0.08402162	34.5140122
60	0.00426063	3.55617403	64.1487441	4.19617403	44	1.29156181	0.3690978	40.4409586
64	0.43616707	2.95849282	70.0756905	3.59849282	48	1.09923354	0.22853836	46.367905
68	0.50501908	3.13960479	75.5347605	3.77960479	52	1.33138678	0.30524036	52.2948514

68	0.48376436	3.04381258	75.5347605	3.68381258	56	1.17966089	0.02401921	58.2217978
72	0.51878945	3.07470607	80.3270083	3.71470607	60	1.30863902	0.07375142	64.1487441
76	0.41002075	2.99571143	85.1192562	3.63571143	64	0.9515023	0.16113457	70.0756905
80	0.46235834	3.05003856	88.2809674	3.69003856	64	0.84689931	0.18089883	70.0756905
84	0.48772643	2.93698524	91.4125478	3.57698524	68	1.44320747	-0.0537407	75.5347605
88	0.48257433	3.0397415	94.5441283	3.6797415	72	1.26383327	-0.4275	80.3270083
92	0.49582313	3.02835547	97.6757087	3.66835547	76	1.44296715	0.02302167	85.1192562
96	0.68984888	3.88735031	100.807289	4.52735031	80	1.30682048	0.10835013	88.2809674
100	0.36766602	3.04518996	103.93887	3.68518996	84	0.97955188	-0.0601875	91.4125478
104	0.85223178	3.62907671	107.07045	4.26907671	88	1.06162831	-0.0846272	94.5441283
108	-0.0702864	3.9108731	110.202031	4.5508731	92	1.04478958	-0.0880356	97.6757087
112	0.43507953	2.36476426	113.333611	3.00476426	96	1.08358017	-0.0244593	100.807289
116	0.17042368	2.2790529	116.992553	2.9190529	100	1.02044419	-0.0580402	103.93887
120	0.36559985	2.49309121	121.069692	3.13309121	100	0.90075676	-0.1898931	103.93887
124	0.13171744	3.16287612	125.146831	3.80287612	104	0.78704761	-0.0646151	107.07045
128	0.21540063	3.63784932	129.22397	4.27784932	108	0.94529566	-0.3876635	110.202031
132	0.21184744	3.32936286	132.89219	3.96936286	112	0.82589808	-0.2890933	113.333611
136	0.09507605	2.63784729	135.853186	3.27784729	116	0.81116227	-0.1873957	116.992553
140	0.11435699	3.50013422	138.814182	4.14013422	120	0.88969395	-0.0631445	121.069692
144	-0.0084273	4.00451611	141.775178	4.64451611	124	0.55758465	-0.0867836	125.146831
148	-0.1244358	3.6504681	144.736174	4.2904681	128	0.71586713	0.30775806	129.22397
152	0.00438711	3.65511726	148.937642	4.29511726	132	1.18235693	0.04276368	132.89219
156	-0.0212868	3.7704594	153.860316	4.4104594	136	0.98572412	-0.0175129	135.853186
160	-0.0515317	3.70089077	162.144948	4.34089077	140	0.83815057	0.12079428	138.814182
164	-0.0950628	3.45368122	171.916667	4.09368122	144	0.87331745	0.70137796	141.775178
168	0.03328425	3.49447559	180.824477	4.13447559	148	0.91390053	0.5133166	144.736174
170	0.00381198	3.59856238	185.278383	4.23856238	152	0.40316606	0.47591725	148.937642
172	0.04962973	3.58711337	189.732288	4.22711337	156	0.54647556	0.72382787	153.860316
174	-0.1382344	3.6560389	191.303319	4.2960389	160	0.86851735	0.64023138	162.144948
176	0.54554186	2.78803002	192.874351	3.42803002	164	0.67790736	0.2046547	171.916667
178	0.22666079	3.19940903	194.00512	3.83940903	168	0.58916683	0.43796093	180.824477
180	0.49344526	2.82522463	195.135889	3.46522463	170	0.70025083	0.08937999	185.278383

182	0.08897011	3.39093139	196.266658	4.03093139	172	0.55872963	0.1567098	189.732288
184	0.20024612	2.93172203	197.397427	3.57172203	174	0.42248642	-0.0090324	191.303319
186	0.14271072	2.76611569	198.528196	3.40611569	176	0.59409265	-0.0155382	192.874351
188	0.45908118	3.02398597	199.658965	3.66398597	178	0.70852777	0.07962987	194.00512
190	0.28007603	3.46902814	200.789734	4.10902814	180	0.72675688	-0.340968	195.135889
192	0.4453289	2.8477491	201.920503	3.4877491	182	0.72299346	-0.3182061	196.266658
194	0.19192529	3.20073211	203.051272	3.84073211	184	0.95913072	-0.0568762	197.397427
198	0.43464397	2.9375675	205.31281	3.5775675	186	0.95872858	-0.0363132	198.528196
200	0.4533473	3.00028698	206.443579	3.64028698	188	1.02347187	-0.0351898	199.658965
202	0.5418406	2.87646928	207.574348	3.51646928	190	0.35	-0.236396	200.789734
204	0.47887806	3.04642855	208.705117	3.68642855	192	0.94140072	0.12175537	201.920503
206	0.57062147	2.94563463	209.835885	3.58563463	194	1.27299889	0.0682617	203.051272
208	0.33773515	3.07364659	210.966654	3.71364659	196	1.3269362	-0.0669104	204.182041
210	0.38689606	2.74915483	212.097423	3.38915483	198	1.04699477	-0.349088	205.31281
212	0.48091481	2.74781119	213.228192	3.38781119	200	1.0037132	-0.1359031	206.443579
214	0.59180271	3.10919323	214.358961	3.74919323	202	1.15736261	-0.1303997	207.574348
216	0.27522488	2.94516598	215.48973	3.58516598	204	1.15775831	-0.2394023	208.705117
218	0.13734154	2.90358364	216.620499	3.54358364	206	1.13651302	-0.4609894	209.835885
222	0.11148268	2.92825785	219.131391	3.56825785	208	1.22845836	-0.4558252	210.966654
224	0.24785909	3.97749256	220.511514	4.61749256	210	1.19540986	0.02758654	212.097423
226	0.2175557	2.62835422	221.891637	3.26835422	212	0.92975183	-0.2478855	213.228192
228	0.23239562	2.70848297	223.27176	3.34848297	214	0.93	0.02496298	214.358961
230	0.36138441	2.91119721	224.797341	3.55119721	216	1.08301075	-0.3817729	215.48973
234	0.26326579	3.21088748	227.848505	3.85088748	218	1.22052618	-0.4074383	216.620499
236	0.17803873	3.18443822	229.374086	3.82443822	220	0.85877467	-0.1194572	217.751268
238	0.28460828	3.21757667	230.899668	3.85757667	222	0.90584739	0.24973961	219.131391
242	0.47565349	2.70709555	234.38824	3.34709555	224	0.7144802	0.31883044	220.511514
244	0.07863719	3.02773534	236.351231	3.66773534	226	0.57733964	0.07304116	221.891637
246	0.42007395	2.80987983	238.672001	3.44987983	228	0.88755502	0.04510046	223.27176
248	0.41248534	2.59983658	240.992771	3.23983658	230	0.91401168	0.11201461	224.797341
250	0.05162069	3.3464499	243.313541	3.9864499	232	0.8589148	0.28872526	226.322923
254	0.04768184	3.25358658	247.955081	3.89358658	234	0.70951929	0.07280323	227.848505
256	0.11463731	3.26704787	250.275851	3.90704787	236	0.83142574	0.42665184	229.374086

260	0.09681333	3.43029367	254.917391	4.07029367	238	0.46332946	0.30566677	230.899668
264	-0.1658203	3.69989823	259.558931	4.33989823	240	0.83281402	0.03773851	232.425249
268	-0.0669613	3.78855036	264.200471	4.42855036	242	0.89136132	0.03277757	234.38824
					244	0.69320632	-0.4263685	236.351231
					246	0.94579103	-0.374425	238.672001
					248	0.66995163	-0.3189254	240.992771
					250	0.65280817	-0.2173207	243.313541
					252	0.71313081	0.01596599	245.634311
					254	0.76402064	0.16437521	247.955081
					256	0.79937918	-0.0365926	250.275851
					260	0.53011261	0.04781688	254.917391
					264	0.94416238	0.14513875	259.558931
					264	0.89541904	0.21798677	259.558931
					268	0.76430233	0.24641729	264.200471

Depth (cm)	$\delta^{13}\text{C } G.$ <i>bulloides</i>	$\delta^{18}\text{O } G.$ <i>bulloides</i>	Age (ka)	Depth (cm)	$\delta^{13}\text{C } Uvigerina$ <i>spp.</i>	$\delta^{18}\text{O } Uvigerina$ <i>spp.</i>	Age (ka)
0	-1.0271663	1.35043901	0	0	-0.0016032	3.23662977	0
4	-1.0461712	0.14361037	8.58040368	4	-0.064602	3.16505592	8.58040368
8	-0.5798632	0.48299556	14.1215675	8	-0.5288218	4.33634095	14.1215675
12	-1.4203575	0.30372072	16.2507153	12	-0.5105784	4.19762785	16.2507153
16	-1.0795474	0.45197124	18.3798631	16	-0.4495668	4.34927421	18.3798631
20	-1.2520227	0.67505503	20.509011	20	-0.5358621	4.25046687	20.509011
24	-0.8564259	1.11031101	22.6381588	24	-0.63948	4.37035017	22.6381588
28	-0.0316627	1.85740129	24.7673066	28	-0.4656407	4.44002635	24.7673066
32	0.05644111	1.77281571	26.8964545	32	-0.5814626	4.59944086	26.8964545
36	-0.0561112	1.91341681	29.0256023	36	-0.3600866	4.30705838	29.0256023
40	-0.0679169	1.61065523	34.5140122	40	-0.3501988	3.93247228	34.5140122
44	-0.8608463	0.99983475	40.4409586	44	-0.0164526	4.30853133	40.4409586
48	-1.1400075	0.91809176	46.367905	48	-0.2769449	4.14365034	46.367905

52	-0.0480752	1.33756188	52.2948514	52	-0.4758173	3.78640656	52.2948514
56	-0.7931411	1.31611483	58.2217978	56	-0.5029166	4.235776	58.2217978
60	-0.56555	0.98046993	64.1487441	60	-0.2311489	4.19318396	64.1487441
64	-0.8274685	0.09427421	70.0756905	64	-0.334138	4.21268265	70.0756905
68	-1.3549596	0.22626442	75.5347605	68	0.11073916	3.62184327	75.5347605
72	-0.5551285	0.5081666	80.3270083	72	-0.2281772	3.5289809	80.3270083
76	-0.2239144	0.86831539	85.1192562	76	-0.1208415	3.69170921	85.1192562
80	-0.2944935	0.66167198	88.2809674	80	-0.1991923	3.87457221	88.2809674
84	-0.7835671	0.84208976	91.4125478	84	-0.2987893	3.6147682	91.4125478
88	-0.3659542	1.31649988	94.5441283	88	-0.2715436	3.233442	94.5441283
92	-0.8461369	0.26088696	97.6757087	92	-0.0864256	2.92973392	97.6757087
96	-0.4912035	0.71499186	100.807289	96	-0.2237113	3.51508958	100.807289
100	-0.4492933	0.60830747	103.93887	100	0.02759706	3.56960313	103.93887
104	-0.5072439	0.7986155	107.07045	104	-0.3390629	3.83503587	107.07045
108	-0.8181616	0.72496759	110.202031	112	-0.3042407	3.8223819	113.333611
112	-1.0780383	0.73433905	113.333611	116	-0.3500176	3.41411202	116.992553
116	-1.3325167	0.95215182	116.992553	120	-0.252782	3.36167221	121.069692
120	-0.6566746	0.70199006	121.069692	124	-0.4009651	3.93719475	125.146831
124	-0.5851346	1.02076404	125.146831	128	-0.3002078	3.47852318	129.22397
128	-0.8811755	0.91860043	129.22397	132	-0.4323945	4.14289243	132.89219
132	-0.7162219	0.78700744	132.89219	136	-0.4893555	4.30337207	135.853186
136	-0.6859954	1.57140552	135.853186	140	-0.3700737	4.34779541	138.814182
140	-0.3925094	1.82886677	138.814182	144	-0.6572432	4.41786449	141.775178
144	-0.9887308	1.70444908	141.775178	148	-0.82155	4.42566149	144.736174
148	-1.2844392	1.21407536	144.736174	152	-0.5668382	4.27810328	148.937642
152	-1.1164842	0.90640591	148.937642	156	-0.4911996	4.29845803	153.860316
156	-1.1345981	1.03998301	153.860316	160	-0.6470268	4.56034677	162.144948
160	-1.2485509	0.92384224	162.144948	164	-0.5902371	4.07183259	171.916667
164	-1.1962356	0.97963904	171.916667	168	-0.9125651	4.04078476	180.824477
168	-0.7050638	1.14539992	180.824477	170	-0.5213911	4.2825514	185.278383
170	-0.9800111	0.93119195	185.278383	172	-0.680868	3.85486023	189.732288
172	-0.6221938	1.41755663	189.732288	174	-0.6766928	4.3546423	191.303319

174	-0.8116804	1.66306196	191.303319	176	-0.409971	3.44450943	192.874351
176	-0.4328239	1.50562544	192.874351	178	-0.1209602	3.61847844	194.00512
178	-0.9888375	1.07107608	194.00512	180	-0.3686033	3.6649441	195.135889
180	-0.0113053	0.37866442	195.135889	182	-0.426515	3.32499423	196.266658
182	-1.1433128	0.0314587	196.266658	184	-0.2556907	3.3297451	197.397427
184	-0.1834336	0.14917355	197.397427	186	-0.2543923	3.61294827	198.528196
189	-0.9472865	0.39660354	198.528196	188	0.07094588	3.35113471	199.658965
188	-0.8040421	0.35378044	199.658965	190	-0.6493562	3.19935265	200.789734
190	-0.6377231	0.70926191	200.789734	192	-0.5747035	3.49802105	201.920503
192	-0.5476098	0.71900527	201.920503	196	-0.1097975	3.62134521	204.182041
194	-1.0087314	0.4512281	203.051272	198	-0.1967912	3.70882311	205.31281
196	-0.7470029	0.2524157	204.182041	202	-0.196328	3.3567765	207.574348
198	-1.1505774	0.25373968	205.31281	204	-0.2193257	3.39293902	208.705117
200	-0.6371004	0.51377409	206.443579	206	-0.0204625	3.34604015	209.835885
202	-0.8223796	0.43944964	207.574348	210	-0.3401104	3.72739639	212.097423
204	-0.6636972	1.010785	208.705117	212	-0.4108458	3.41737001	213.228192
206	-0.1352376	1.04409273	209.835885	214	-0.6966034	3.71049249	214.358961
208	-0.8531216	0.41016369	210.966654	216	-0.1737602	3.04392879	215.48973
210	-0.8980043	0.8077949	212.097423	220	-0.4510132	3.3341056	217.751268
212	-1.1698332	0.7296205	213.228192	222	-0.3692543	3.40878787	219.131391
214	-0.8041855	0.69077709	214.358961	226	-0.5854361	4.03594246	221.891637
216	-1.059917	0.71213173	215.48973	228	-0.7054097	4.06165479	223.27176
218	-1.0832706	0.33553191	216.620499	230	0.28808031	3.90582743	224.797341
220	-1.1612941	0.31556182	217.751268	232	-0.7567132	3.94136571	226.322923
222	-1.1586531	0.34160002	219.131391	234	-0.157428	3.23595896	227.848505
224	-0.9202905	0.86018502	220.511514	236	-0.5693467	3.94306611	229.374086
226	-0.9229187	0.98559262	221.891637	238	-0.719806	4.07521167	230.899668
228	-1.1637543	0.43325131	223.27176	240	-0.484448	4.0389819	232.425249
230	-0.8400841	0.52310206	224.797341	242	-0.2142535	3.375366	234.38824
232	-1.0097533	0.55774336	226.322923	244	-0.1885306	3.57319449	236.351231
234	-1.1371043	0.325103	227.848505	246	-0.5217805	3.85104146	238.672001
236	-0.8054506	1.08393203	229.374086	248	-0.6136049	3.58607529	240.992771
238	-1.0612703	0.80342021	230.899668	250	-0.3832422	3.78581133	243.313541

240	-0.2866115	1.36506467	232.425249	252	-0.6673683	4.28048323	245.634311
242	-1.389593	0.69345036	234.38824	254	-0.470577	4.04044714	247.955081
244	-0.3832604	1.1763411	236.351231	256	-0.4895213	4.24114941	250.275851
246	-0.892735	0.42596157	238.672001	260	-0.6004059	3.97137378	254.917391
248	-0.5860501	1.17889507	240.992771	264	-0.1363589	4.39207386	259.558931
250	-1.1014721	0.56121814	243.313541	268	-0.8855354	4.42040132	264.200471
252	-0.8123628	1.426027	245.634311				
254	-0.5741012	1.57972972	247.955081				
256	-0.9972924	0.80763494	250.275851				
260	-1.0760083	1.17964332	254.917391				
264	-0.9940861	1.27971593	259.558931				
268	-1.1450884	1.3619841	264.200471				

### 1.5. CaCO<sub>3</sub>, sedimentation rate, MAR of CaCO<sub>3</sub> and MAR of <20 μm grain size

Depth (cm)	Age (ka)	CaCO <sub>3</sub> (%)	Sedimentation rate (cm/ka)	MAR CaCO <sub>3</sub> (g/cm <sup>2</sup> /kyr)	MAR <20μm (g/cm <sup>2</sup> /kyr)
0	0	62.56587	0.466179	0.291669	0
4	8.580404	67.62232	0.72187	0.488145	0.041885
8	14.12157	67.84306	1.878686	1.274558	0.179988
12	16.25072	68.20852	1.878686	1.281424	0.208241
16	18.37986	71.1358	1.878686	1.336418	0.245632
20	20.50901	72.37525	1.878686	1.359704	0.278862
24	22.63816	75.00426	1.878686	1.409094	0.318993
28	24.76731	75.75687	1.878686	1.423234	0.352497
32	26.89645	74.56062	1.878686	1.40076	0.376755
36	29.0256		0.728809		0
40	34.51401		0.674884		0
44	40.44096		0.674884		0
48	46.3679	76.51469	0.674884	0.516385	0.239437

52	52.29485	80.49419	0.674884	0.543242	0.284088
56	58.2218	80.57648	0.674884	0.543798	0.316609
60	64.14874	75.61782	0.674884	0.510332	0.327372
64	70.07569	77.55111	0.732726	0.568237	0.398196
68	75.53476	72.31252	0.834681	0.603579	0.455912
72	80.32701	70.37646	0.834681	0.587419	0.471856
76	85.11926	70.83961	1.265138	0.896219	0.762855
80	88.28097	68.4771	1.27731	0.874665	0.772163
84	91.41255	69.77358	1.27731	0.891225	0.814692
88	94.54413	71.07467	1.27731	0.907844	0.858313
92	97.67571	72.16762	1.27731	0.921804	0.900379
96	100.8073	73.03271	1.27731	0.932854	0.940385
100	103.9389	70.63141	1.27731	0.902182	0.937718
104	107.0705	70.98065	1.27731	0.906643	0.970747
112	113.3336	73.45042	1.093212	0.802969	0.910034
116	116.9926	72.69624	0.98108	0.713208	0.834401
120	121.0697	74.7234	0.98108	0.733096	0.887558
124	125.1468	73.21091	0.98108	0.718258	0.898877
128	129.224	73.44664	1.090447	0.800897	1.034951
132	132.8922	72.87556	1.350897	0.984474	1.308288
136	135.8532	74.83732	1.350897	1.010975	1.373442
140	138.8142	76.13611	1.350897	1.02852	1.427732
144	141.7752	76.6237	1.350897	1.035107	1.467525
148	144.7362	82.17158	0.952048	0.782313	1.13229
152	148.9376	82.66388	0.812566	0.671699	1.000413
156	153.8603	79.31981	0.482822	0.382973	0.589244
160	162.1449	78.20729	0.409345	0.320137	0.519086
164	171.9167	79.59297	0.449044	0.357408	0.614443
168	180.8245	81.50487	0.449044	0.365993	0.661805
172	189.7323	81.57988	1.273049	1.038552	1.970468
176	192.8744	76.35457	1.768708	1.350489	2.604747
180	195.1359	76.38699	1.768708	1.351063	2.636408
184	197.3974	82.10825	1.768708	1.452255	2.866714



188	199.659	76.41397	1.768708	1.35154	2.698471
192	201.9205	76.11565	1.768708	1.346264	2.718382
196	204.182	76.55364	1.768708	1.35401	2.764646
204	208.7051	76.32559	1.768708	1.349977	2.817471
212	213.2282	74.37754	1.768708	1.315521	2.805062
216	215.4897	76.09563	1.768708	1.345909	2.900296
220	217.7513	74.73802	1.449146	1.083063	2.358384
228	223.2718	74.1412	1.310975	0.971973	2.170141
232	226.3229	76.85156	1.310975	1.007505	2.280215
236	229.3741	77.04915	1.310975	1.010095	2.316897
240	232.4252	77.63704	1.018854	0.791008	1.838502
244	236.3512	75.94842	0.861783	0.654511	1.546944
248	240.9928	75.50789	0.861783	0.650714	1.568174
252	245.6343	75.75206	0.861783	0.652818	1.603546
256	250.2759	76.91617	0.861783	0.66285	1.658955
260	254.9174	78.21832	0.861783	0.674072	1.718327
264	259.5589	73.72358	0.861783	0.635337	1.649075
268	264.2005	74.20415	1.014381	0.752713	1.988671

## 1.6. Grain size distributions

Age (ka)	0	8.580404	8.580404	16.25072	16.25072	18.37986	20.50901	20.50901	22.63816	24.76731	26.89645	29.0256	34.51401
Depth (cm)	0	4	4	12	12	16	20	20	24	28	32	36	40
Grain size (µm)	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume
	%	%	%	%	%	%	%	%	%	%	%	%	%
0.37512	0	0	0	0	0	0	0	0	0	0	0	0	0
0.4118	0	0	0	0	0	0	0	0	0	0	0	0	0
0.45206	0	0	0	0	0	0	0	0	0	0	0	0	0
0.49625	0	0	0	0	0	0	0	0	0	0	0	0	0

0.54477	0	0	0	0	0	0	0	0	0	0	0	0	0
0.59803	0	0	0	0	0	0	0	0	0	0	0	0	0
0.65649	0	0	0	0	0	0	0	0	0	0	0	0	0
0.72068	0	0	0	0	0	0	0	0	0	0	0	0	0
0.79113	0	0	0	0	0	0	0	0	0	0	0	0	0
0.86848	0	0	0	0	0	0	0	0	0	0	0	0	0
0.95338	0	0	0	0	0	0	0	0	0	0	0	0	0
1.0466	0	0	0	0	0	0	0	0	0	0	0	0	0
1.1489	0	0	0	0	0	0	0	0.001034	0	0	0	0	0
1.2612	0	0.00227	0.000212	0.002763	0.001625	0.001715	0.001176	0.015878	0.00131	0.001185	0.001165	0.000671	0
1.3845	0.000607	0.027688	0.005528	0.033827	0.022142	0.022926	0.016614	0.093075	0.018091	0.016073	0.014394	0.007976	0.000373
1.5199	0.008056	0.142599	0.040355	0.174202	0.121795	0.124644	0.093124	0.277625	0.100176	0.088084	0.074696	0.040753	0.005146
1.6685	0.042095	0.364331	0.144521	0.44554	0.335171	0.338708	0.261583	0.561245	0.277789	0.241836	0.192356	0.102753	0.027394
1.8316	0.111511	0.658196	0.323038	0.80415	0.640033	0.640809	0.506298	0.88088	0.532931	0.460587	0.34943	0.185016	0.07409
2.0107	0.203575	0.935233	0.534486	1.14144	0.950954	0.945206	0.759496	1.19394	0.794131	0.682369	0.499173	0.263597	0.137177
2.2072	0.296094	1.19257	0.741943	1.44966	1.2462	1.2328	0.998854	1.47515	1.04029	0.888712	0.639811	0.341975	0.202276
2.423	0.383392	1.41092	0.925224	1.70395	1.49716	1.47599	1.19939	1.69731	1.24612	1.05736	0.761377	0.416172	0.265506
2.6599	0.467024	1.58458	1.08536	1.89344	1.69649	1.66724	1.35512	1.8488	1.40519	1.18164	0.859437	0.484385	0.328405
2.92	0.541877	1.70279	1.21039	2.00672	1.82988	1.79297	1.45504	1.91667	1.50658	1.25383	0.927126	0.541903	0.387781
3.2054	0.604424	1.75914	1.29878	2.03955	1.89362	1.84967	1.49863	1.90883	1.54961	1.27589	0.959399	0.582563	0.44037
3.5188	0.654302	1.77474	1.35424	2.02034	1.90727	1.8575	1.50189	1.85511	1.55147	1.26423	0.967552	0.611539	0.485679
3.8628	0.690719	1.76874	1.38655	1.97611	1.89339	1.83892	1.4843	1.78258	1.53222	1.23738	0.961767	0.630475	0.52183
4.2405	0.728576	1.77541	1.42639	1.94509	1.89117	1.83193	1.47711	1.71893	1.52362	1.22005	0.959705	0.649627	0.55894
4.6551	0.759095	1.7734	1.45796	1.906	1.88031	1.81644	1.4646	1.64722	1.50933	1.19952	0.950329	0.660314	0.59029
5.1102	0.789398	1.77024	1.49058	1.86443	1.86703	1.7989	1.45088	1.57467	1.49349	1.17773	0.936037	0.666185	0.620696
5.6098	0.799781	1.73008	1.48485	1.78443	1.81056	1.73983	1.40257	1.47595	1.44248	1.1289	0.900617	0.65745	0.636634
6.1582	0.80358	1.68367	1.46643	1.69755	1.74094	1.66914	1.34316	1.37939	1.38019	1.07167	0.858619	0.643641	0.647112
6.7603	0.796577	1.62527	1.42805	1.6022	1.65539	1.58402	1.27057	1.28023	1.30463	1.00484	0.809962	0.623157	0.648839
7.4212	0.796702	1.58554	1.40621	1.53205	1.59159	1.52152	1.21614	1.2047	1.2472	0.952833	0.769611	0.603934	0.652737
8.1467	0.803057	1.55839	1.3981	1.48528	1.54939	1.48129	1.17998	1.15074	1.20838	0.91578	0.738006	0.586394	0.658055
8.9432	0.814404	1.53937	1.40155	1.45819	1.52543	1.46057	1.16013	1.11725	1.18587	0.892494	0.714265	0.57019	0.663504
9.8175	0.838844	1.54408	1.42959	1.46531	1.53436	1.47429	1.16847	1.11628	1.19191	0.891892	0.70677	0.562123	0.674794
10.777	0.865287	1.54847	1.46092	1.47872	1.54847	1.49583	1.18409	1.12415	1.20493	0.896843	0.704374	0.55495	0.683992

11.831	0.916295	1.59058	1.53598	1.53124	1.60303	1.56074	1.23595	1.16435	1.25479	0.928337	0.722959	0.560825	0.706224
12.988	0.966175	1.61593	1.60595	1.56576	1.64175	1.61301	1.27871	1.18778	1.29642	0.950364	0.737573	0.565471	0.724895
14.257	1.02974	1.64232	1.69046	1.59519	1.68015	1.66669	1.32228	1.20066	1.33983	0.969939	0.754408	0.578208	0.752445
15.651	1.06807	1.61371	1.72057	1.56241	1.65826	1.65856	1.3132	1.15744	1.3301	0.947959	0.743833	0.579954	0.766275
17.181	1.08285	1.54527	1.69823	1.47699	1.58471	1.59413	1.25304	1.06629	1.26531	0.886536	0.706304	0.570711	0.769869
18.861	1.07037	1.46397	1.63433	1.36839	1.48307	1.49545	1.16062	0.959114	1.16308	0.804226	0.6502	0.547608	0.758727
20.705	1.04813	1.40332	1.57031	1.27395	1.38885	1.40066	1.06854	0.868413	1.0565	0.726037	0.592701	0.516799	0.739988
22.729	1.06763	1.42745	1.59095	1.26524	1.37356	1.38451	1.04356	0.853886	1.01597	0.704812	0.573991	0.506384	0.742307
24.951	1.14677	1.52245	1.70866	1.338	1.43443	1.4473	1.09034	0.90872	1.0492	0.743608	0.599607	0.525949	0.775018
27.391	1.32412	1.68904	1.94405	1.49592	1.58118	1.59749	1.22182	1.03354	1.16979	0.854018	0.683825	0.597646	0.863777
30.068	1.57171	1.85995	2.22101	1.67274	1.7516	1.76865	1.38631	1.17472	1.32522	0.997638	0.7993	0.707493	0.992368
33.008	1.86145	1.99158	2.46652	1.8119	1.89569	1.90366	1.5341	1.28745	1.46042	1.13446	0.916935	0.838079	1.14445
36.235	2.14587	2.06196	2.61204	1.87658	1.97666	1.96044	1.6261	1.3527	1.53215	1.23388	1.00979	0.963948	1.29164
39.778	2.39216	2.07983	2.63985	1.86732	1.98997	1.93558	1.65372	1.38046	1.53272	1.28718	1.06704	1.06809	1.41432
43.667	2.61733	2.0946	2.60448	1.83521	1.9791	1.87771	1.65941	1.42341	1.51159	1.33023	1.11507	1.16827	1.5285
47.936	2.84456	2.14009	2.56956	1.82859	1.98338	1.83464	1.6878	1.52429	1.52441	1.40099	1.18323	1.2892	1.65814
52.622	3.11585	2.24049	2.59882	1.88706	2.03826	1.84775	1.78082	1.71157	1.62078	1.53643	1.30302	1.46559	1.84162
57.767	3.44107	2.38901	2.7097	2.01807	2.14989	1.92836	1.95442	1.98336	1.81967	1.75447	1.49215	1.72028	2.10455
63.414	3.79134	2.55014	2.86844	2.19132	2.2916	2.05352	2.18806	2.29752	2.09496	2.03967	1.74108	2.04905	2.4462
69.614	4.10761	2.67942	3.00446	2.35403	2.41973	2.18332	2.44104	2.59706	2.38985	2.36029	2.0311	2.43551	2.85029
76.42	4.30701	2.72926	3.03056	2.44101	2.48	2.26677	2.65236	2.81853	2.62371	2.66067	2.32224	2.83428	3.26703
83.891	4.33163	2.67247	2.89692	2.40954	2.43773	2.2709	2.77267	2.92328	2.7361	2.88923	2.57736	3.19719	3.63973
92.092	4.17613	2.50965	2.61941	2.26124	2.29427	2.19575	2.78545	2.91228	2.71832	3.01899	2.77646	3.49045	3.9241
101.1	3.87877	2.26071	2.26781	2.03579	2.08067	2.06508	2.70119	2.8077	2.60468	3.0427	2.90842	3.68928	4.08873
110.98	3.51842	1.97305	1.94008	1.80429	1.85673	1.9264	2.56823	2.65905	2.46716	2.99497	2.99504	3.80821	4.14882
121.83	3.16335	1.70328	1.70695	1.62922	1.67726	1.81937	2.43765	2.51284	2.36509	2.91969	3.05873	3.86615	4.13131
133.74	2.85844	1.50712	1.59666	1.54854	1.57868	1.76976	2.35593	2.41133	2.33422	2.86799	3.1295	3.89569	4.0793
146.81	2.61962	1.41949	1.59583	1.5664	1.56743	1.77978	2.34792	2.37822	2.37744	2.87565	3.22777	3.92287	4.02551
161.17	2.4268	1.43431	1.6525	1.64736	1.61249	1.82116	2.39856	2.39959	2.46188	2.93841	3.34491	3.94513	3.96702
176.92	2.25199	1.50969	1.7007	1.73412	1.66242	1.85179	2.46749	2.43293	2.54298	3.02379	3.45797	3.94682	3.88189
194.22	2.05093	1.56343	1.66735	1.75327	1.65226	1.81897	2.48164	2.39994	2.56008	3.05924	3.51464	3.8804	3.71628
213.21	1.79329	1.5177	1.51374	1.65749	1.54569	1.69598	2.37924	2.23773	2.47208	2.9817	3.4732	3.70878	3.43295

234.05	1.47727	1.33995	1.25091	1.44647	1.35086	1.49422	2.13929	1.93306	2.26847	2.76788	3.32213	3.42534	3.03166
256.94	1.14409	1.07391	0.947911	1.17523	1.12252	1.26546	1.80412	1.54852	1.98387	2.45917	3.09506	3.07218	2.56664
282.06	0.87178	0.820119	0.703982	0.93219	0.934181	1.07879	1.47099	1.20169	1.69405	2.15138	2.86486	2.73384	2.13421
309.63	0.724951	0.658834	0.579513	0.784103	0.83064	0.977012	1.23264	0.981521	1.46864	1.9318	2.69968	2.48922	1.81682
339.9	0.72741	0.621031	0.588453	0.755166	0.820639	0.967683	1.13544	0.919367	1.34665	1.84226	2.62941	2.37357	1.65005
373.13	0.865654	0.681905	0.697006	0.823189	0.868871	1.01374	1.16684	0.980946	1.31327	1.8564	2.62726	2.35962	1.6069
409.61	1.07259	0.772748	0.825109	0.92259	0.905665	1.04259	1.25485	1.07705	1.30088	1.88159	2.60904	2.35611	1.60347
449.66	1.22806	0.799864	0.864931	0.962123	0.859362	0.980748	1.29041	1.0942	1.22404	1.80076	2.46535	2.23923	1.5303
493.62	1.21329	0.695119	0.746115	0.868837	0.694163	0.793189	1.17735	0.948076	1.01888	1.5338	2.1232	1.92502	1.30792
541.88	0.988691	0.444501	0.470646	0.636407	0.421221	0.484042	0.895342	0.626203	0.680425	1.08991	1.59185	1.42191	0.939962
594.85	0.59984	0.190484	0.197777	0.340517	0.173313	0.201511	0.506639	0.286533	0.32821	0.579146	0.959375	0.801468	0.507429
653.01	0.245636	0.039211	0.040153	0.11697	0.03479	0.040774	0.190697	0.07079	0.094379	0.202434	0.42001	0.310213	0.183385
716.85	0.051587	0.003358	0.003352	0.019883	0.002894	0.003447	0.035442	0.008152	0.013346	0.035335	0.11138	0.059505	0.033045
786.93	0.004652	0	0	0.001204	0	0	0.002581	0.000112	0.000477	0.002292	0.014568	0.004715	0.002328
863.87	1.52E-05	0	0	0	0	0	0	0	0	0	0.000494	0	0
948.32	0	0	0	0	0	0	0	0	0	0	0	0	0
1041	0	0	0	0	0	0	0	0	0	0	0	0	0
1142.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1254.5	0	0	0	0	0	0	0	0	0	0	0	0	0
1377.2	0	0	0	0	0	0	0	0	0	0	0	0	0
1511.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1659.6	0	0	0	0	0	0	0	0	0	0	0	0	0
1821.9	0	0	0	0	0	0	0	0	0	0	0	0	0
2000													

Age (ka)	40.44096	43.40443	43.40443	43.40443	43.40443	46.3679	52.29485	58.2218	64.14874	70.07569	75.53476	80.32701	85.11926
Depth (cm)	44	46	46	46	46	48	52	56	60	64	68	72	76
Grain size (µm)	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume
	%	%	%	%	%	%	%	%	%	%	%	%	%
0.37512	0	0	0	0	0	0	0	0	0	0	0	0	0
0.4118	0	0	0	0	0	0	0	0	0	0	0	0	0
0.45206	0	0	0	0	0	0	0	0	0	0	0	0	0
0.49625	0	0	0	0	0	0	0	0	0	0	0	0	0
0.54477	0	0	0	0	0	0	0	0	0	0	0	0	0
0.59803	0	0	0	0	0	0	0	0	0	0	0	0	0
0.65649	0	0	0	0	0	0	0	0	0	0	0	0	0
0.72068	0	0	0	0	0	0	0	0	0	0	0	0	0
0.79113	0	0	0	0	0	0	0	0	0	0	0	0	0
0.86848	0	0	0	0	0	0	0	0	0	0	0	0	0
0.95338	0	0	0	0	0	0	0	0	0	0	0	0	0
1.0466	0	0	0	0	0	0	0	0	0	0	0	0	0
1.1489	0	0	0	6.46E-05	0	0	0	0	0	0	0	0	0
1.2612	0.000361	0.000394	0.000789	0.002175	0.000482	0.000501	0.000337	0.000347	1.51E-05	0.000444	0.000121	0.000537	0.000952
1.3845	0.004605	0.005962	0.00942	0.016448	0.006811	0.006436	0.005392	0.005162	0.001503	0.005768	0.003426	0.008859	0.013132
1.5199	0.024864	0.035197	0.048266	0.062208	0.038788	0.034662	0.032586	0.030101	0.014621	0.031332	0.025711	0.053744	0.072676
1.6685	0.066717	0.103914	0.122134	0.140302	0.110358	0.092791	0.098464	0.08773	0.064275	0.084636	0.093998	0.163393	0.201095
1.8316	0.126806	0.209435	0.22033	0.237402	0.217169	0.175229	0.200883	0.175178	0.156448	0.161168	0.212209	0.333174	0.385093
2.0107	0.188872	0.324016	0.313936	0.332536	0.330418	0.258834	0.313058	0.269149	0.271189	0.239604	0.352993	0.519407	0.572821
2.2072	0.25292	0.438028	0.406234	0.426122	0.443192	0.342446	0.4234	0.362163	0.381349	0.318442	0.491259	0.700198	0.75109
2.423	0.314687	0.541704	0.492362	0.513406	0.546391	0.419703	0.521338	0.445704	0.478995	0.391189	0.614206	0.856736	0.903074
2.6599	0.373914	0.63549	0.570539	0.59223	0.640168	0.490284	0.607385	0.51993	0.565425	0.457885	0.723322	0.986898	1.02607
2.92	0.426951	0.713567	0.63563	0.657082	0.718732	0.549699	0.675912	0.57992	0.634514	0.514359	0.810612	1.08047	1.11136
3.2054	0.469132	0.772179	0.681124	0.701576	0.777558	0.593363	0.724687	0.622768	0.685585	0.556305	0.874225	1.13626	1.15706
3.5188	0.502946	0.815049	0.71342	0.732714	0.820841	0.625456	0.757442	0.651945	0.719841	0.587555	0.915984	1.1615	1.17399
3.8628	0.528309	0.846443	0.735313	0.75333	0.852521	0.647826	0.779123	0.671133	0.7421	0.609446	0.941416	1.16785	1.17508
4.2405	0.554289	0.882234	0.759016	0.77542	0.888202	0.67286	0.80574	0.694108	0.7688	0.634629	0.971845	1.1797	1.18346
4.6551	0.57351	0.912367	0.774504	0.788766	0.917525	0.691544	0.82765	0.712416	0.791647	0.654308	0.995892	1.18357	1.1843

5.1102	0.589935	0.939941	0.785192	0.79713	0.94373	0.708551	0.848915	0.729997	0.815037	0.673904	1.0208	1.18531	1.18185
5.6098	0.593454	0.946296	0.779183	0.788998	0.948874	0.709899	0.849737	0.730533	0.81773	0.678804	1.01893	1.15537	1.14894
6.1582	0.592553	0.943744	0.767342	0.775465	0.945342	0.706656	0.843323	0.725442	0.812793	0.680382	1.00894	1.11527	1.10688
6.7603	0.58482	0.928936	0.747618	0.754331	0.929946	0.695743	0.825814	0.711591	0.79632	0.675206	0.985575	1.06101	1.05162
7.4212	0.578144	0.915637	0.728601	0.734006	0.915779	0.688435	0.813736	0.702639	0.787206	0.675268	0.974672	1.02169	1.00839
8.1467	0.572224	0.901999	0.709659	0.713901	0.901042	0.683713	0.805099	0.697182	0.783812	0.67888	0.973653	0.996173	0.974603
8.9432	0.566351	0.885112	0.689472	0.69279	0.882808	0.680367	0.798295	0.693941	0.784824	0.684595	0.981742	0.985069	0.951243
9.8175	0.566454	0.871704	0.675342	0.678038	0.868022	0.6855	0.800893	0.699481	0.796953	0.699313	1.00944	1.00122	0.953073
10.777	0.565634	0.851019	0.659	0.661313	0.846257	0.690152	0.802624	0.704416	0.809056	0.713813	1.04321	1.02972	0.968459
11.831	0.57605	0.84112	0.654316	0.656435	0.835565	0.710467	0.824612	0.725922	0.841867	0.744932	1.11259	1.10114	1.02836
12.988	0.583926	0.821442	0.645137	0.647024	0.815765	0.727232	0.84311	0.743349	0.870062	0.771696	1.18093	1.17385	1.09338
14.257	0.59944	0.804474	0.642109	0.643472	0.799008	0.751322	0.869753	0.767522	0.90546	0.805467	1.26243	1.25772	1.17245
15.651	0.604237	0.767499	0.626693	0.62714	0.762466	0.756443	0.870919	0.770392	0.913206	0.818542	1.30366	1.29286	1.20788
17.181	0.599898	0.715077	0.601842	0.601658	0.710709	0.74341	0.847084	0.753046	0.894673	0.815765	1.30761	1.27668	1.19675
18.861	0.582997	0.653097	0.568273	0.568736	0.649866	0.711593	0.802095	0.716921	0.853062	0.798613	1.27932	1.21969	1.14828
20.705	0.559064	0.591549	0.53249	0.535633	0.590603	0.67229	0.753594	0.675546	0.806616	0.781925	1.24946	1.15677	1.09398
22.729	0.554697	0.564648	0.521644	0.5288	0.56673	0.663245	0.747864	0.668848	0.802286	0.802278	1.2831	1.16121	1.10175
24.951	0.579481	0.576166	0.540968	0.551536	0.581062	0.695661	0.794522	0.707367	0.851432	0.867231	1.39359	1.24641	1.18239
27.391	0.657091	0.646429	0.609914	0.621114	0.652231	0.795025	0.91532	0.814753	0.978408	0.998047	1.60851	1.43525	1.35712
30.068	0.774694	0.756771	0.713305	0.720907	0.760032	0.940315	1.07844	0.966699	1.15276	1.16718	1.87732	1.67358	1.57587
33.008	0.917006	0.889294	0.835667	0.836414	0.886537	1.10717	1.24934	1.13485	1.34054	1.35013	2.15322	1.90594	1.78936
36.235	1.0589	1.0217	0.955684	0.950018	1.01173	1.26276	1.39096	1.28363	1.49994	1.5157	2.38118	2.07897	1.95193
39.778	1.1827	1.13801	1.05835	1.05093	1.12344	1.38707	1.48656	1.39223	1.60652	1.64754	2.53393	2.17251	2.04665
43.667	1.30523	1.25705	1.16012	1.15777	1.24341	1.50304	1.56738	1.48384	1.68211	1.7664	2.6379	2.22669	2.11153
47.936	1.45054	1.39943	1.28105	1.28887	1.39239	1.64151	1.6713	1.59054	1.75808	1.89411	2.7234	2.2879	2.18758
52.622	1.65472	1.59643	1.45152	1.46994	1.59856	1.84462	1.84256	1.7551	1.87752	2.06101	2.83307	2.40698	2.3197
57.767	1.94061	1.86847	1.69266	1.7162	1.87692	2.13663	2.10343	2.00402	2.06756	2.28023	2.98109	2.60206	2.52431
63.414	2.3034	2.21132	2.00263	2.02142	2.21767	2.50829	2.43931	2.33145	2.32487	2.54085	3.15003	2.84933	2.78018
69.614	2.72277	2.61076	2.37014	2.37414	2.60388	2.93052	2.81391	2.71268	2.62928	2.82481	3.30338	3.09619	3.04286
76.42	3.147	3.02129	2.75374	2.73846	2.99348	3.34091	3.16088	3.08923	2.92965	3.0954	3.3864	3.26563	3.24383
83.891	3.52007	3.38755	3.10357	3.07316	3.34	3.6764	3.41878	3.40004	3.17328	3.31974	3.3596	3.29712	3.32517
92.092	3.80179	3.6608	3.37738	3.343	3.60487	3.89668	3.55541	3.6054	3.32738	3.47805	3.21348	3.17334	3.26274
101.1	3.96551	3.79993	3.54194	3.51556	3.75185	3.98188	3.5652	3.68821	3.37994	3.55376	2.96464	2.91991	3.0669

110.98	4.02958	3.81388	3.61085	3.59895	3.7855	3.96272	3.49248	3.68373	3.36763	3.56378	2.66902	2.61337	2.79999
121.83	4.02139	3.73679	3.61523	3.61654	3.72851	3.88226	3.39135	3.63921	3.33622	3.53206	2.39144	2.33852	2.54076
133.74	3.98215	3.63098	3.60722	3.61514	3.63171	3.79622	3.31957	3.6085	3.33463	3.49872	2.19349	2.16583	2.36482
146.81	3.94321	3.55309	3.62988	3.63577	3.54745	3.74563	3.3113	3.62107	3.38535	3.49591	2.11005	2.12731	2.31415
161.17	3.90351	3.51428	3.68645	3.68304	3.49179	3.72678	3.35041	3.65692	3.46043	3.51689	2.12412	2.1953	2.36959
176.92	3.84756	3.48918	3.75296	3.7351	3.45074	3.7062	3.38889	3.66838	3.50418	3.52607	2.18026	2.30063	2.46558
194.22	3.73139	3.4038	3.76486	3.73074	3.36211	3.60677	3.34102	3.57811	3.43453	3.44833	2.18286	2.33407	2.49142
213.21	3.52687	3.19478	3.66802	3.62311	3.16739	3.36312	3.14385	3.34133	3.20427	3.22585	2.055	2.21023	2.3586
234.05	3.23616	2.8488	3.44421	3.40205	2.84822	2.95804	2.79238	2.97094	2.82832	2.85264	1.78219	1.91513	2.0501
256.94	2.90338	2.42743	3.13118	3.11255	2.45292	2.4514	2.35881	2.54729	2.39145	2.39676	1.4343	1.52734	1.64409
282.06	2.60308	2.04796	2.81295	2.83742	2.08596	1.96899	1.96825	2.18798	2.01531	1.97753	1.13247	1.18318	1.2779
309.63	2.39422	1.80917	2.56735	2.6403	1.84359	1.62798	1.72088	1.97489	1.78817	1.69567	0.965483	0.985825	1.05467
339.9	2.29486	1.74945	2.43063	2.54014	1.76837	1.48247	1.65335	1.92942	1.73483	1.5929	0.960675	0.968257	1.00703
373.13	2.26618	1.83249	2.37771	2.49078	1.83476	1.51133	1.72649	1.99602	1.8086	1.64185	1.08342	1.09957	1.09854
409.61	2.21775	1.94755	2.32314	2.39259	1.94448	1.62024	1.82844	2.05195	1.89731	1.75203	1.23847	1.28312	1.2318
449.66	2.04516	1.94673	2.15861	2.14732	1.957	1.66672	1.81446	1.9594	1.8642	1.79536	1.29614	1.3775	1.27626
493.62	1.69167	1.72287	1.81352	1.71092	1.76111	1.5268	1.5837	1.63958	1.61665	1.66097	1.16436	1.27183	1.13759
541.88	1.18962	1.2786	1.30463	1.13738	1.34313	1.17346	1.14909	1.13131	1.17155	1.32133	0.853709	0.962533	0.825457
594.85	0.636025	0.711897	0.714966	0.566406	0.772082	0.674022	0.622579	0.579989	0.634907	0.852104	0.461967	0.53883	0.440914
653.01	0.230931	0.26646	0.266757	0.185325	0.30105	0.260384	0.225118	0.194665	0.230415	0.403094	0.16518	0.200942	0.154673
716.85	0.041987	0.04947	0.049578	0.030494	0.057864	0.049545	0.040559	0.032733	0.041568	0.1235	0.029376	0.0371	0.027015
786.93	0.003047	0.003653	0.00371	0.001822	0.004534	0.003797	0.002851	0.002012	0.002952	0.018964	0.002006	0.002704	0.001781
863.87	0	0	0	0	0	0	0	0	0	0.001045	0	0	0
948.32	0	0	0	0	0	0	0	0	0	0	0	0	0
1041	0	0	0	0	0	0	0	0	0	0	0	0	0
1142.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1254.5	0	0	0	0	0	0	0	0	0	0	0	0	0
1377.2	0	0	0	0	0	0	0	0	0	0	0	0	0
1511.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1659.6	0	0	0	0	0	0	0	0	0	0	0	0	0
1821.9	0	0	0	0	0	0	0	0	0	0	0	0	0
2000													

Age (ka)	88.28097	91.41255	92.97834	94.54413	96.10992	97.67571	99.2415	100.8073	102.3731	103.9389	107.0705	110.202	113.3336
Depth (cm)	80	84	86	88	90	92	94	96	98	100	104	108	112
Grain size ( $\mu\text{m}$ )	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume
	%	%	%	%	%	%	%	%	%	%	%	%	%
0.37512	0	0	0	0	0	0	0	0	0	0	0	0	0
0.4118	0	0	0	0	0	0	0	0	0	0	0	0	0
0.45206	0	0	0	0	0	0	0	0	0	0	0	0	0
0.49625	0	0	0	0	0	0	0	0	0	0	0	0	0
0.54477	0	0	0	0	0	0	0	0	0	0	0	0	0
0.59803	0	0	0	0	0	0	0	0	0	0	0	0	0
0.65649	0	0	0	0	0	0	0	0	0	0	0	0	0
0.72068	0	0	0	0	0	0	0	0	0	0	0	0	0
0.79113	0	0	0	0	0	0	0	0	0	0	0	0	0
0.86848	0	0	0	0	0	0	0	0	0	0	0	0	0
0.95338	0	0	0	0	0	0	0	0	0	0	0	0	0
1.0466	0	0	0	0	0	0	0	0	0	0	0	0	0
1.1489	0	0	0	0	0	0	0	0	0	0	0	0	0
1.2612	0.000741	0.001109	0.000226	0.000367	0.000101	0.000167	0.000417	7.24E-06	0.000126	0.000684	0.000495	0.000923	0.001069
1.3845	0.010404	0.014356	0.004477	0.005282	0.002949	0.003998	0.007039	0.001219	0.003198	0.00936	0.008036	0.013443	0.01511
1.5199	0.058358	0.07669	0.029706	0.030333	0.022371	0.028378	0.04339	0.012654	0.023285	0.052167	0.048813	0.077108	0.085143
1.6685	0.163538	0.203991	0.097893	0.086919	0.082446	0.099197	0.133796	0.057832	0.083045	0.145029	0.148282	0.221317	0.240135
1.8316	0.316828	0.379952	0.210095	0.172261	0.187205	0.219061	0.275781	0.143144	0.185817	0.280965	0.303556	0.436356	0.467243
2.0107	0.475774	0.552998	0.339003	0.263791	0.312762	0.359583	0.432836	0.250749	0.307857	0.422837	0.474678	0.664054	0.70397
2.2072	0.629833	0.716357	0.467107	0.356262	0.437175	0.497701	0.586329	0.35525	0.429376	0.56425	0.644078	0.886415	0.932246
2.423	0.764509	0.856031	0.582081	0.441044	0.549083	0.619948	0.720463	0.449561	0.539092	0.692798	0.79538	1.08258	1.13047
2.6599	0.878964	0.970032	0.685042	0.518673	0.650205	0.727569	0.835505	0.535426	0.638618	0.808696	0.929347	1.25204	1.29629
2.92	0.964935	1.05071	0.768544	0.583717	0.733214	0.812618	0.923261	0.606551	0.720791	0.904043	1.03642	1.3831	1.4184
3.2054	1.01872	1.09469	0.829891	0.632029	0.79616	0.873849	0.982353	0.661538	0.78336	0.972981	1.11306	1.47108	1.49326
3.5188	1.04784	1.11303	0.871461	0.666521	0.840104	0.913611	1.01784	0.700488	0.827454	1.02115	1.16406	1.52547	1.5328
3.8628	1.06056	1.11686	0.897786	0.688593	0.868755	0.937855	1.0377	0.726046	0.856565	1.05248	1.19646	1.55776	1.55145
4.2405	1.07953	1.12875	0.928364	0.713367	0.901159	0.967124	1.06402	0.754551	0.88925	1.08856	1.23496	1.59936	1.58004
4.6551	1.09061	1.13382	0.951727	0.730614	0.926313	0.989782	1.08392	0.777069	0.914685	1.11465	1.26429	1.63052	1.60011



5.1102	1.10105	1.13744	0.974922	0.748103	0.951809	1.01276	1.10391	0.800637	0.940233	1.13991	1.29261	1.65959	1.61745
5.6098	1.08354	1.11337	0.972885	0.746966	0.952024	1.00872	1.09548	0.803078	0.941191	1.13803	1.28832	1.64808	1.596
6.1582	1.05903	1.0828	0.963311	0.74228	0.944513	0.996154	1.0781	0.799318	0.934647	1.12961	1.27403	1.62357	1.56114
6.7603	1.02244	1.04105	0.940997	0.729394	0.923519	0.969284	1.04594	0.78424	0.915113	1.10847	1.24277	1.57826	1.50697
7.4212	0.999256	1.01154	0.929016	0.726017	0.913211	0.953687	1.02508	0.779063	0.905666	1.09786	1.22286	1.54516	1.46411
8.1467	0.986765	0.990407	0.925092	0.730341	0.911521	0.946907	1.01295	0.78221	0.904194	1.09504	1.21081	1.5201	1.42947
8.9432	0.984989	0.977159	0.928793	0.742682	0.918222	0.948666	1.00869	0.79339	0.910307	1.09906	1.20555	1.50078	1.40018
9.8175	1.0074	0.985942	0.950865	0.773016	0.943568	0.969916	1.02368	0.82079	0.934051	1.12286	1.22041	1.50391	1.39094
10.777	1.04083	1.0052	0.978818	0.810919	0.975193	0.997926	1.0441	0.852731	0.963053	1.15124	1.23956	1.51	1.38263
11.831	1.11779	1.06669	1.04066	0.879648	1.04284	1.06358	1.10225	0.914107	1.0255	1.21543	1.29902	1.56271	1.41365
12.988	1.19952	1.13161	1.10317	0.95087	1.11395	1.13214	1.16236	0.976341	1.0892	1.27826	1.35821	1.61429	1.4403
14.257	1.29921	1.2096	1.18155	1.03887	1.20389	1.21802	1.23862	1.05355	1.16885	1.35744	1.43525	1.68585	1.48048
15.651	1.35563	1.24352	1.22708	1.10038	1.2595	1.26613	1.27482	1.10042	1.21402	1.39959	1.47147	1.71018	1.47683
17.181	1.3649	1.23279	1.24142	1.13682	1.27907	1.2742	1.26678	1.11554	1.22375	1.40599	1.46978	1.68865	1.43099
18.861	1.33006	1.18778	1.22429	1.14367	1.26177	1.2442	1.21914	1.09739	1.19844	1.37692	1.43623	1.62985	1.35569
20.705	1.28496	1.14011	1.19889	1.14238	1.23548	1.20495	1.16139	1.06818	1.16489	1.34101	1.40341	1.56967	1.2809
22.729	1.30552	1.15442	1.22302	1.18759	1.26334	1.22271	1.16212	1.08415	1.18649	1.36648	1.4388	1.58581	1.27441
24.951	1.41122	1.23574	1.31055	1.29944	1.35949	1.31145	1.23334	1.16014	1.27996	1.4731	1.54927	1.68479	1.33712
27.391	1.63222	1.39948	1.49228	1.51377	1.54722	1.49594	1.39534	1.32244	1.47425	1.69384	1.7506	1.8823	1.48015
30.068	1.91243	1.59209	1.72799	1.794	1.77264	1.72395	1.5928	1.52865	1.72184	1.97769	1.97722	2.10527	1.64225
33.008	2.19217	1.7688	1.97916	2.10003	1.98267	1.94312	1.76884	1.73332	1.97279	2.26916	2.17144	2.28861	1.77047
36.235	2.4068	1.89562	2.19453	2.37019	2.12314	2.10044	1.87414	1.88597	2.16952	2.49667	2.28093	2.37663	1.82784
39.778	2.52885	1.96888	2.34337	2.56358	2.17768	2.17745	1.89919	1.96598	2.28591	2.62055	2.2948	2.36098	1.81614
43.667	2.59866	2.03418	2.44525	2.69197	2.19103	2.21711	1.89999	2.01209	2.3572	2.66431	2.25992	2.29712	1.79285
47.936	2.66746	2.13072	2.52759	2.78169	2.21714	2.27066	1.94124	2.07606	2.43035	2.67008	2.22701	2.24459	1.8143
52.622	2.79498	2.29275	2.63592	2.88349	2.31393	2.3944	2.08593	2.21877	2.56369	2.70127	2.24751	2.25971	1.92824
57.767	3.00156	2.52016	2.79346	3.02483	2.50208	2.60939	2.35937	2.46821	2.78159	2.79379	2.33922	2.35888	2.14522
63.414	3.25916	2.77471	2.99311	3.20117	2.75656	2.8912	2.7343	2.8054	3.06405	2.94634	2.48327	2.51541	2.42936
69.614	3.50308	3.0017	3.20385	3.37879	3.01776	3.18207	3.14116	3.16967	3.35494	3.12365	2.63881	2.67429	2.71314
76.42	3.64256	3.13828	3.36376	3.49162	3.19948	3.39629	3.4734	3.46025	3.56565	3.25375	2.7473	2.76359	2.90911
83.891	3.6116	3.14795	3.41392	3.48106	3.23623	3.46612	3.63858	3.58672	3.62233	3.2675	2.76515	2.73406	2.95407
92.092	3.40026	3.0334	3.32173	3.32263	3.11263	3.37146	3.59817	3.51056	3.49843	3.12711	2.67837	2.57862	2.83762
101.1	3.05389	2.82154	3.09067	3.03604	2.8622	3.13838	3.3723	3.25679	3.2195	2.84195	2.49809	2.32684	2.59649

110.98	2.66981	2.57088	2.78219	2.69826	2.5677	2.84368	3.0477	2.92143	2.86979	2.48313	2.26983	2.04093	2.31115
121.83	2.34449	2.34222	2.4803	2.39889	2.31306	2.56851	2.727	2.61371	2.54341	2.14327	2.04744	1.78264	2.06156
133.74	2.14547	2.19368	2.26668	2.21231	2.16262	2.37944	2.49931	2.41993	2.31766	1.90361	1.88589	1.60032	1.90662
146.81	2.09038	2.16251	2.18786	2.17084	2.1429	2.30839	2.41033	2.37516	2.22902	1.80219	1.8224	1.51547	1.86773
161.17	2.1341	2.2383	2.22755	2.24482	2.22642	2.33443	2.43919	2.44677	2.25403	1.81556	1.85288	1.51101	1.91561
176.92	2.19177	2.36935	2.32451	2.36559	2.35203	2.40434	2.51923	2.56377	2.3326	1.88067	1.94002	1.54274	1.98774
194.22	2.14868	2.45161	2.37272	2.42948	2.42334	2.42854	2.53673	2.62383	2.36661	1.90152	2.00419	1.53683	1.9904
213.21	1.93137	2.38691	2.28147	2.35816	2.36304	2.3328	2.39568	2.55467	2.275	1.80807	1.96909	1.4336	1.85345
234.05	1.54905	2.13862	2.02271	2.13804	2.15201	2.09351	2.06824	2.34765	2.03366	1.59276	1.80339	1.21937	1.57025
256.94	1.10976	1.76934	1.65576	1.83275	1.84861	1.75987	1.62665	2.0655	1.69688	1.32179	1.54949	0.950489	1.21788
282.06	0.769005	1.41683	1.30302	1.55282	1.56447	1.43694	1.2182	1.81151	1.37686	1.09846	1.30667	0.728031	0.923454
309.63	0.60828	1.20009	1.0742	1.39041	1.39768	1.21825	0.963725	1.66922	1.17291	0.99366	1.16435	0.619628	0.775471
339.9	0.637815	1.16699	1.01604	1.3805	1.38973	1.14481	0.906504	1.66869	1.12684	1.0279	1.16173	0.647479	0.799811
373.13	0.80983	1.29103	1.11507	1.49721	1.51883	1.19629	1.01904	1.77814	1.2194	1.16254	1.278	0.78067	0.966051
409.61	1.01669	1.47058	1.29589	1.64897	1.69391	1.29241	1.20651	1.90428	1.36604	1.30127	1.42788	0.934591	1.17966
449.66	1.10517	1.55604	1.43042	1.70311	1.77796	1.31832	1.32098	1.92195	1.43755	1.32382	1.48643	0.992166	1.29821
493.62	0.9771	1.42923	1.39492	1.55759	1.65773	1.18282	1.23516	1.73862	1.32651	1.15452	1.35648	0.872287	1.21034
541.88	0.651414	1.08353	1.14391	1.20316	1.31481	0.881162	0.935665	1.35258	1.01816	0.81693	1.03338	0.574563	0.909619
594.85	0.300574	0.609969	0.719146	0.708063	0.836617	0.488811	0.519474	0.85775	0.582621	0.424671	0.588463	0.25884	0.499253
653.01	0.078363	0.229576	0.315093	0.287967	0.388954	0.181148	0.189824	0.403064	0.224388	0.143424	0.225962	0.06186	0.178034
716.85	0.009724	0.042744	0.076423	0.061255	0.114537	0.033296	0.034328	0.12339	0.042652	0.024163	0.042832	0.006754	0.031393
786.93	0.000223	0.003164	0.008669	0.005779	0.01691	0.002415	0.002393	0.019089	0.00328	0.001478	0.003281	6.78E-05	0.002059
863.87	0	0	0.000142	2.49E-05	0.00081	0	0	0.001047	0	0	0	0	0
948.32	0	0	0	0	0	0	0	0	0	0	0	0	0
1041	0	0	0	0	0	0	0	0	0	0	0	0	0
1142.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1254.5	0	0	0	0	0	0	0	0	0	0	0	0	0
1377.2	0	0	0	0	0	0	0	0	0	0	0	0	0
1511.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1659.6	0	0	0	0	0	0	0	0	0	0	0	0	0
1821.9	0	0	0	0	0	0	0	0	0	0	0	0	0
2000													

Age (ka)	116.9926	121.0697	125.1468	129.224	132.8922	132.8922	135.8532	138.8142	141.7752	144.7362	148.9376	153.8603	162.1449
Depth (cm)	116	120	124	128	132	132	136	140	144	148	152	156	160
Grain size (µm)	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume
	%	%	%	%	%	%	%	%	%	%	%	%	%
0.37512	0	0	0	0	0	0	0	0	0	0	0	0	0
0.4118	0	0	0	0	0	0	0	0	0	0	0	0	0
0.45206	0	0	0	0	0	0	0	0	0	0	0	0	0
0.49625	0	0	0	0	0	0	0	0	0	0	0	0	0
0.54477	0	0	0	0	0	0	0	0	0	0	0	0	0
0.59803	0	0	0	0	0	0	0	0	0	0	0	0	0
0.65649	0	0	0	0	0	0	0	0	0	0	0	0	0
0.72068	0	0	0	0	0	0	0	0	0	0	0	0	0
0.79113	0	0	0	0	0	0	0	0	0	0	0	0	0
0.86848	0	0	0	0	0	0	0	0	0	0	0	0	0
0.95338	0	0	0	0	0	0	0	0	0	0	0	0	0
1.0466	0	0	0	0	0	0	0	0	0	0	0	0	0
1.1489	0	0	0	0	0	0	0	0	0	0.0001	0.00012	0	0
1.2612	0.000411	0.000516	0.000569	0.000921	0.001081	0.001096	0.000639	0.000698	0.000449	0.002494	0.002469	0.000719	0.000478
1.3845	0.007542	0.008336	0.009038	0.012558	0.014322	0.014124	0.010002	0.010427	0.006847	0.017227	0.01597	0.009251	0.007356
1.5199	0.048452	0.05035	0.05406	0.069229	0.077588	0.075345	0.05929	0.060401	0.040409	0.060468	0.052884	0.049658	0.043481
1.6685	0.155316	0.15228	0.162036	0.19074	0.209863	0.200144	0.17627	0.175473	0.119235	0.131715	0.111957	0.132532	0.128635
1.8316	0.328189	0.310295	0.328094	0.36501	0.395938	0.372879	0.354747	0.34771	0.239517	0.218332	0.182708	0.248484	0.258503
2.0107	0.524221	0.483397	0.508692	0.542892	0.582071	0.54321	0.547188	0.529912	0.367941	0.303481	0.253637	0.363705	0.398068
2.2072	0.717749	0.652595	0.68395	0.712967	0.757446	0.705085	0.731645	0.702519	0.491503	0.387099	0.325238	0.475458	0.533299
2.423	0.889298	0.800637	0.835464	0.858968	0.905329	0.844955	0.887929	0.846593	0.597497	0.464747	0.393946	0.5758	0.650874
2.6599	1.0394	0.92707	0.962271	0.97914	1.02343	0.960601	1.01437	0.960455	0.688412	0.535169	0.458303	0.665083	0.751578
2.92	1.15742	1.02279	1.05525	1.06523	1.10426	1.04432	1.10232	1.0371	0.759656	0.593784	0.513697	0.738329	0.829273
3.2054	1.2406	1.08576	1.11314	1.11478	1.14637	1.09208	1.15213	1.07756	0.810831	0.635644	0.555302	0.791364	0.882891
3.5188	1.29434	1.12216	1.1433	1.13763	1.16161	1.1146	1.17328	1.09207	0.847518	0.667246	0.587943	0.830421	0.918131
3.8628	1.32762	1.14112	1.15643	1.14511	1.1628	1.1224	1.17894	1.09382	0.876102	0.690697	0.612254	0.86002	0.942273
4.2405	1.3691	1.16686	1.17752	1.1611	1.17382	1.13777	1.19496	1.10659	0.915519	0.716677	0.636476	0.894863	0.97396
4.6551	1.40314	1.18571	1.19299	1.17153	1.18035	1.14651	1.20794	1.11796	0.953704	0.735423	0.652068	0.922722	1.001

5.1102	1.43799	1.20431	1.2091	1.18191	1.18733	1.15347	1.22279	1.13123	0.995212	0.750709	0.662877	0.946694	1.0274
5.6098	1.43807	1.1926	1.19518	1.164	1.16676	1.13361	1.20838	1.11783	1.0145	0.751322	0.660271	0.948719	1.0289
6.1582	1.42666	1.17108	1.17196	1.13862	1.13917	1.10669	1.18463	1.09514	1.02702	0.747351	0.652961	0.942332	1.02135
6.7603	1.39681	1.13428	1.13403	1.10091	1.09955	1.06862	1.1464	1.05886	1.02549	0.735514	0.638054	0.922836	0.999005
7.4212	1.37943	1.10957	1.1093	1.07594	1.07229	1.04099	1.12101	1.03313	1.02842	0.723048	0.621645	0.902777	0.981264
8.1467	1.37186	1.0949	1.09543	1.06002	1.05386	1.0205	1.10598	1.01566	1.03026	0.708746	0.603615	0.879165	0.964954
8.9432	1.37104	1.08857	1.09063	1.05091	1.04231	1.0052	1.09896	1.00336	1.02801	0.691189	0.583832	0.850767	0.948792
9.8175	1.38894	1.10214	1.10601	1.06041	1.04959	1.00698	1.11009	1.00532	1.03064	0.676884	0.568432	0.827518	0.942748
10.777	1.40473	1.1201	1.12499	1.07471	1.06081	1.01315	1.12169	1.00641	1.02559	0.657543	0.550578	0.801541	0.93495
11.831	1.45358	1.17543	1.17955	1.12541	1.10674	1.05214	1.16303	1.03467	1.03965	0.646603	0.541707	0.795673	0.951606
12.988	1.49231	1.23056	1.23074	1.17355	1.1492	1.0881	1.19517	1.0572	1.04389	0.629633	0.53033	0.790348	0.96508
14.257	1.54201	1.29988	1.29278	1.22913	1.19913	1.13102	1.23153	1.08436	1.05447	0.617796	0.527212	0.799283	0.990039
15.651	1.54976	1.32691	1.31114	1.23766	1.20422	1.13365	1.22449	1.07039	1.03617	0.594344	0.517636	0.793194	0.988638
17.181	1.52201	1.30873	1.28511	1.20146	1.16248	1.10018	1.17679	1.01111	0.994633	0.561558	0.502333	0.770423	0.95985
18.861	1.46575	1.25198	1.22416	1.13741	1.08732	1.04511	1.10228	0.920111	0.938215	0.520678	0.478198	0.730153	0.906902
20.705	1.40519	1.18519	1.15698	1.07758	1.00764	0.99453	1.02693	0.824857	0.886108	0.478583	0.448871	0.683823	0.847434
22.729	1.39961	1.17471	1.14939	1.08328	0.988802	1.00064	1.01051	0.78761	0.887106	0.462272	0.437907	0.6716	0.833005
24.951	1.45114	1.22708	1.20781	1.14975	1.03674	1.05748	1.05695	0.816368	0.947582	0.476736	0.452822	0.702886	0.875642
27.391	1.57839	1.3586	1.349	1.28109	1.16613	1.17096	1.182	0.924807	1.08758	0.537403	0.51194	0.798241	0.998759
30.068	1.73057	1.51441	1.51954	1.41838	1.32646	1.29222	1.33977	1.06717	1.26924	0.625283	0.600993	0.930159	1.16783
33.008	1.86507	1.6444	1.66895	1.51917	1.46706	1.38893	1.48593	1.19197	1.45247	0.717998	0.700654	1.06547	1.3394
36.235	1.93951	1.71263	1.75734	1.5679	1.55083	1.44956	1.58352	1.2605	1.59328	0.792062	0.786901	1.16824	1.46475
39.778	1.93882	1.72113	1.77973	1.58361	1.57453	1.4878	1.62172	1.26908	1.66842	0.837643	0.847079	1.2216	1.51754
43.667	1.89764	1.73103	1.78955	1.63153	1.5933	1.55683	1.64154	1.27203	1.70368	0.881782	0.905276	1.25543	1.52713
47.936	1.85815	1.80367	1.84382	1.76167	1.66635	1.6952	1.689	1.33005	1.73571	0.958741	0.995574	1.31051	1.5411
52.622	1.87223	1.99193	1.99614	2.00596	1.8481	1.92958	1.81279	1.49675	1.81294	1.10838	1.16095	1.43505	1.61985
57.767	1.97102	2.30826	2.26497	2.35454	2.15888	2.2529	2.03806	1.79495	1.97066	1.36024	1.43482	1.66268	1.80889
63.414	2.15532	2.7101	2.61965	2.74809	2.56723	2.61864	2.35239	2.19639	2.21592	1.71549	1.822	1.99526	2.11959
69.614	2.40018	3.11614	2.99232	3.10815	3.00007	2.96703	2.71592	2.63437	2.54031	2.16132	2.31004	2.41563	2.53658
76.42	2.64156	3.42018	3.28403	3.35422	3.34878	3.23098	3.05301	3.0098	2.89917	2.64911	2.84563	2.86821	2.99357
83.891	2.80247	3.54455	3.41258	3.44276	3.51936	3.36618	3.28469	3.24001	3.23267	3.11848	3.35944	3.28461	3.40069
92.092	2.81913	3.47398	3.34975	3.37966	3.47462	3.3615	3.35795	3.29553	3.48302	3.51355	3.78569	3.60397	3.67516
101.1	2.66656	3.24587	3.1233	3.19455	3.23905	3.22205	3.25584	3.19445	3.59944	3.78337	4.06647	3.77543	3.76161

110.98	2.39267	2.94714	2.82156	2.94426	2.90524	2.98707	3.02522	3.00896	3.58156	3.92293	4.19453	3.7969	3.67721
121.83	2.09249	2.66425	2.54083	2.6841	2.58136	2.71143	2.74626	2.81729	3.4606	3.94927	4.18844	3.69357	3.48427
133.74	1.87041	2.46482	2.35603	2.46924	2.35785	2.46773	2.51115	2.68702	3.30331	3.91475	4.10402	3.5269	3.27675
146.81	1.78898	2.38042	2.29641	2.34203	2.27842	2.32361	2.38544	2.65451	3.17718	3.87777	4.0041	3.36809	3.13421
161.17	1.8375	2.38938	2.32825	2.3038	2.32026	2.30035	2.37206	2.7016	3.10385	3.86387	3.9198	3.25578	3.07691
176.92	1.94645	2.43598	2.38169	2.32118	2.41658	2.37247	2.42395	2.77569	3.06191	3.86762	3.85355	3.19551	3.07574
194.22	1.99712	2.4252	2.35725	2.3111	2.45736	2.44712	2.4404	2.78329	2.97172	3.82901	3.75553	3.13431	3.04344
213.21	1.8974	2.27738	2.18682	2.19249	2.35339	2.41537	2.32956	2.64621	2.75382	3.68379	3.57133	3.00366	2.89645
234.05	1.64204	1.97047	1.8729	1.93563	2.08407	2.21304	2.0619	2.34992	2.38151	3.40103	3.27473	2.75812	2.60023
256.94	1.32859	1.5695	1.49791	1.59755	1.72245	1.87538	1.70272	1.9678	1.91745	3.01839	2.90147	2.41631	2.20259
282.06	1.096	1.20543	1.18736	1.30069	1.40369	1.53025	1.38424	1.63626	1.49753	2.63813	2.54538	2.06665	1.81939
309.63	1.03087	0.985143	1.0311	1.14577	1.23413	1.30927	1.21369	1.47242	1.24051	2.36608	2.30307	1.81228	1.55508
339.9	1.15465	0.947532	1.05416	1.16989	1.25306	1.27741	1.23183	1.52207	1.19151	2.25996	2.22804	1.71668	1.45696
373.13	1.41381	1.06489	1.22386	1.34118	1.42565	1.42452	1.40597	1.75971	1.32447	2.3037	2.30279	1.77708	1.49759
409.61	1.67224	1.24229	1.43801	1.55011	1.63665	1.65506	1.62332	2.06443	1.53546	2.40423	2.43642	1.91851	1.57905
449.66	1.7571	1.33714	1.54775	1.64107	1.7233	1.80699	1.72124	2.24541	1.66176	2.41832	2.48637	2.01095	1.56978
493.62	1.56574	1.23301	1.43882	1.49963	1.56476	1.73176	1.5762	2.1409	1.56406	2.22036	2.31919	1.92366	1.37136
541.88	1.13093	0.92459	1.10577	1.13015	1.16142	1.39048	1.18427	1.71845	1.21936	1.77648	1.89572	1.6042	0.985007
594.85	0.601054	0.509648	0.632477	0.633181	0.636397	0.832782	0.658215	1.05937	0.706766	1.16359	1.29744	1.10812	0.523378
653.01	0.209076	0.185323	0.243456	0.237677	0.229196	0.33801	0.24185	0.457515	0.275891	0.563992	0.670983	0.5721	0.181438
716.85	0.036228	0.033398	0.046266	0.044196	0.040979	0.066928	0.044021	0.108297	0.053007	0.176006	0.235061	0.196091	0.031358
786.93	0.002339	0.002323	0.003558	0.003278	0.002782	0.005483	0.003093	0.011992	0.004146	0.027558	0.041445	0.033682	0.001994
863.87	0	0	0	0	0	0	0	0.00016	0	0.001486	0.0029	0.002201	0
948.32	0	0	0	0	0	0	0	0	0	0	0	0	0
1041	0	0	0	0	0	0	0	0	0	0	0	0	0
1142.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1254.5	0	0	0	0	0	0	0	0	0	0	0	0	0
1377.2	0	0	0	0	0	0	0	0	0	0	0	0	0
1511.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1659.6	0	0	0	0	0	0	0	0	0	0	0	0	0
1821.9	0	0	0	0	0	0	0	0	0	0	0	0	0
2000													

Age (ka)	171.9167	180.8245	189.7323	189.7323	192.8744	195.1359	197.3974	199.659	201.9205	204.182	206.4436	208.7051	210.9667
Depth (cm)	164	168	172	172	176	180	184	188	192	196	200	204	208
Grain size (µm)	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume
	%	%	%	%	%	%	%	%	%	%	%	%	%
0.37512	0	0	0	0	0	0	0	0	0	0	0	0	0
0.4118	0	0	0	0	0	0	0	0	0	0	0	0	0
0.45206	0	0	0	0	0	0	0	0	0	0	0	0	0
0.49625	0	0	0	0	0	0	0	0	0	0	0	0	0
0.54477	0	0	0	0	0	0	0	0	0	0	0	0	0
0.59803	0	0	0	0	0	0	0	0	0	0	0	0	0
0.65649	0	0	0	0	0	0	0	0	0	0	0	0	0
0.72068	0	0	0	0	0	0	0	0	0	0	0	0	0
0.79113	0	0	0	0	0	0	0	0	0	0	0	0	0
0.86848	0	0	0	0	0	0	0	0	0	0	0	0	0
0.95338	0	0	0	0	0	0	0	0	0	0	0	0.001435	0
1.0466	0	0	0	0	0	0	0	0	0.00034	0	0.000536	0.017986	0.001793
1.1489	0	0	0	0	0	0	0	0	0.006427	0	0.00845	0.094777	0.022817
1.2612	0.000181	0.000298	0.000436	0.000409	0	0	0.000677	0.001209	0.042398	0.00129	0.051154	0.253306	0.122013
1.3845	0.003191	0.004369	0.005752	0.005216	0.000799	0.000493	0.008486	0.015188	0.142072	0.015857	0.157848	0.4828	0.328695
1.5199	0.020467	0.025525	0.031536	0.028078	0.010083	0.006792	0.044756	0.079697	0.313989	0.082071	0.332187	0.737938	0.62788
1.6685	0.065303	0.07446	0.086113	0.075111	0.051348	0.036183	0.11714	0.207861	0.527522	0.210632	0.540051	1.01091	0.947539
1.8316	0.138584	0.149597	0.165174	0.142295	0.13171	0.098232	0.21688	0.38165	0.754429	0.381639	0.759988	1.28817	1.27619
2.0107	0.222391	0.231471	0.24743	0.211464	0.234776	0.182547	0.315387	0.54971	0.972492	0.543025	0.970901	1.54712	1.5861
2.2072	0.308022	0.315014	0.331256	0.282744	0.333772	0.269373	0.412481	0.708412	1.17465	0.693099	1.16486	1.78126	1.86607
2.423	0.388515	0.39337	0.41072	0.351469	0.424297	0.350908	0.500872	0.8454	1.3447	0.821011	1.3261	1.96698	2.09598
2.6599	0.465493	0.467285	0.485352	0.417137	0.508223	0.427722	0.579438	0.95802	1.47764	0.924771	1.44703	2.09928	2.26307
2.92	0.534267	0.532139	0.550103	0.475461	0.579651	0.494894	0.642622	1.03868	1.55915	0.998271	1.5151	2.1719	2.3569
3.2054	0.591568	0.58403	0.599772	0.521271	0.636715	0.549939	0.685304	1.08304	1.59434	1.03761	1.53625	2.19719	2.38855
3.5188	0.638271	0.624963	0.637222	0.557189	0.679187	0.593347	0.712839	1.10194	1.60052	1.05448	1.52853	2.19672	2.38651
3.8628	0.675244	0.655868	0.663563	0.583307	0.709328	0.624358	0.728237	1.10582	1.58995	1.05914	1.50455	2.17729	2.36392
4.2405	0.714286	0.688618	0.690103	0.609294	0.741926	0.656707	0.745687	1.11551	1.58084	1.07149	1.48059	2.15577	2.3433
4.6551	0.746415	0.714376	0.708119	0.627187	0.768468	0.682122	0.755234	1.11694	1.55439	1.07742	1.44079	2.10822	2.3003

5.1102	0.775673	0.737741	0.721972	0.641272	0.794394	0.707735	0.762866	1.11526	1.52371	1.08128	1.39648	2.05393	2.25157
5.6098	0.786193	0.743836	0.718883	0.640818	0.799836	0.714575	0.752652	1.08716	1.46575	1.0605	1.32952	1.97059	2.17206
6.1582	0.789068	0.743624	0.709529	0.635145	0.798114	0.715238	0.738055	1.05274	1.41028	1.03395	1.2658	1.89239	2.09481
6.7603	0.779838	0.733221	0.691249	0.621765	0.784796	0.705257	0.71587	1.00821	1.3441	0.997265	1.19459	1.8002	2.00159
7.4212	0.770678	0.72458	0.674973	0.609624	0.777861	0.70274	0.700917	0.975	1.29027	0.969452	1.13512	1.71477	1.91376
8.1467	0.759683	0.716626	0.660648	0.598848	0.775582	0.707351	0.692657	0.950255	1.24219	0.946691	1.08235	1.6276	1.82497
8.9432	0.746095	0.708473	0.64795	0.589168	0.777392	0.718961	0.690452	0.93345	1.20246	0.927677	1.03838	1.54108	1.73559
9.8175	0.737259	0.707166	0.643893	0.586947	0.79066	0.745098	0.702519	0.937201	1.1906	0.924685	1.01962	1.48122	1.66895
10.777	0.72564	0.704348	0.640474	0.584882	0.805009	0.775263	0.718788	0.949058	1.19092	0.926537	1.0117	1.43038	1.6019
11.831	0.730422	0.718007	0.653319	0.59632	0.841547	0.831751	0.759637	0.996814	1.24009	0.961462	1.04325	1.43258	1.57536
12.988	0.734738	0.730888	0.665929	0.606877	0.875594	0.890174	0.802072	1.04439	1.29017	0.997169	1.07204	1.4369	1.53945
14.257	0.752681	0.756108	0.68966	0.627446	0.920681	0.964535	0.857288	1.10053	1.35243	1.04402	1.10562	1.45821	1.51319
15.651	0.75872	0.767308	0.699972	0.637469	0.942114	1.0146	0.888254	1.11443	1.36468	1.05543	1.09507	1.43669	1.44737
17.181	0.753868	0.763877	0.696355	0.637624	0.942751	1.03928	0.891508	1.08399	1.3259	1.02901	1.04337	1.37138	1.34581
18.861	0.734268	0.741283	0.675091	0.623587	0.922356	1.03397	0.865855	1.02063	1.25382	0.973627	0.971347	1.28175	1.23063
20.705	0.709068	0.708298	0.645283	0.602105	0.897846	1.01817	0.827822	0.953756	1.18263	0.914249	0.906478	1.19585	1.1251
22.729	0.711173	0.699316	0.640267	0.600941	0.9129	1.04252	0.825277	0.947612	1.18511	0.908603	0.905644	1.17966	1.08948
24.951	0.748723	0.723893	0.669868	0.628634	0.978194	1.12323	0.869436	1.01158	1.26235	0.963276	0.963457	1.22588	1.11529
27.391	0.84173	0.803446	0.755471	0.705278	1.11784	1.28809	0.982437	1.16469	1.42349	1.09301	1.08601	1.33606	1.20575
30.068	0.965068	0.914297	0.874752	0.812103	1.29943	1.49903	1.13035	1.35953	1.60551	1.25206	1.22581	1.45139	1.3094
33.008	1.09148	1.02962	1.00213	0.928022	1.48909	1.71476	1.2771	1.54739	1.75259	1.39474	1.34768	1.52654	1.38579
36.235	1.18876	1.11893	1.10775	1.02709	1.64325	1.88489	1.38965	1.68663	1.83142	1.48575	1.43843	1.54429	1.41667
39.778	1.24204	1.16939	1.17824	1.09735	1.7367	1.98627	1.4608	1.76554	1.84775	1.52037	1.50696	1.52034	1.41038
43.667	1.27773	1.21184	1.24246	1.16462	1.78935	2.05131	1.53735	1.82892	1.86468	1.54665	1.60246	1.5125	1.41439
47.936	1.33159	1.28661	1.33732	1.26218	1.83201	2.12514	1.67258	1.92483	1.94143	1.61571	1.76087	1.56685	1.46762
52.622	1.44733	1.44075	1.50608	1.4299	1.90983	2.26423	1.92202	2.10112	2.12549	1.77513	2.00807	1.71124	1.5967
57.767	1.65465	1.70434	1.77511	1.69266	2.05559	2.49673	2.30829	2.37529	2.42313	2.04168	2.33837	1.93766	1.79841
63.414	1.95452	2.07303	2.13693	2.04433	2.27594	2.81031	2.8023	2.72094	2.78822	2.38726	2.70812	2.19575	2.03313
69.614	2.3325	2.52031	2.56636	2.46325	2.56432	3.16176	3.33248	3.08511	3.13694	2.75195	3.05709	2.41367	2.2408
76.42	2.74076	2.98198	3.00643	2.89765	2.88128	3.47327	3.78676	3.3887	3.36422	3.04783	3.31242	2.51793	2.35398
83.891	3.12248	3.38801	3.39984	3.29483	3.17732	3.67297	4.06378	3.56637	3.39262	3.20155	3.41744	2.47115	2.33059
92.092	3.42835	3.68668	3.70935	3.61955	3.40882	3.72259	4.11449	3.59358	3.20697	3.18609	3.34844	2.29058	2.17384
101.1	3.6162	3.84574	3.91096	3.84735	3.54009	3.6201	3.94685	3.48035	2.85172	3.02002	3.11069	2.03007	1.92383

110.98	3.68618	3.88359	4.02186	3.99224	3.58049	3.41863	3.6403	3.28499	2.42584	2.77671	2.75904	1.76413	1.65002
121.83	3.65648	3.83439	4.06159	4.06867	3.55569	3.18675	3.29494	3.07275	2.03526	2.54068	2.37878	1.55056	1.41719
133.74	3.57445	3.74989	4.06058	4.10172	3.51083	2.99697	3.0057	2.90527	1.7602	2.38712	2.06815	1.4208	1.26814
146.81	3.49275	3.67395	4.0407	4.10858	3.48104	2.89748	2.83316	2.81906	1.63533	2.35875	1.89968	1.37915	1.2155
161.17	3.43624	3.61398	3.99394	4.08095	3.46035	2.88538	2.77874	2.80105	1.63871	2.44379	1.88505	1.40178	1.23679
176.92	3.40599	3.55619	3.9011	4.00388	3.41718	2.92243	2.80968	2.8058	1.71291	2.59356	1.98166	1.45108	1.28882
194.22	3.35644	3.45061	3.7156	3.84012	3.28699	2.92639	2.85041	2.747	1.76275	2.71543	2.08593	1.47151	1.30914
213.21	3.23634	3.25665	3.40911	3.57064	3.02706	2.8261	2.82962	2.55032	1.70394	2.72451	2.09132	1.41811	1.25099
234.05	3.01476	2.9682	2.99414	3.20916	2.64675	2.59383	2.70615	2.19232	1.50293	2.58262	1.94363	1.27296	1.10678
256.94	2.71008	2.62945	2.53747	2.81196	2.21882	2.27137	2.49076	1.73016	1.2061	2.325	1.68508	1.06312	0.919116
282.06	2.39139	2.32481	2.14527	2.46512	1.85435	1.95524	2.24423	1.29124	0.922324	2.04684	1.42942	0.855025	0.759921
309.63	2.13494	2.12862	1.90273	2.23766	1.63676	1.7296	2.03347	0.991104	0.744912	1.8445	1.27262	0.709389	0.682422
339.9	1.98777	2.06963	1.8381	2.15199	1.58958	1.63247	1.89787	0.876465	0.712644	1.76825	1.25627	0.657445	0.70467
373.13	1.94289	2.11674	1.91241	2.1715	1.67118	1.63321	1.82885	0.926727	0.808471	1.80479	1.34536	0.688049	0.803887
409.61	1.93888	2.17728	2.01663	2.2027	1.77618	1.6399	1.7668	1.06148	0.96113	1.87586	1.43915	0.750707	0.914685
449.66	1.88313	2.12663	2.00452	2.12503	1.76925	1.54399	1.62981	1.15508	1.05598	1.86657	1.41588	0.771922	0.949659
493.62	1.69235	1.87582	1.7718	1.85548	1.55867	1.27754	1.36238	1.08975	0.988911	1.68329	1.197	0.68791	0.848082
541.88	1.3458	1.42582	1.32122	1.39948	1.15423	0.867388	0.97459	0.837473	0.742166	1.31263	0.784906	0.491375	0.618013
594.85	0.908426	0.86864	0.742862	0.85377	0.643536	0.434962	0.531203	0.472297	0.403499	0.828536	0.362088	0.253547	0.33187
653.01	0.51417	0.38484	0.283448	0.382165	0.243179	0.140769	0.196966	0.175173	0.140751	0.384004	0.093579	0.08165	0.116783
716.85	0.270335	0.104654	0.053625	0.107948	0.045632	0.022802	0.036449	0.032088	0.024234	0.112688	0.011532	0.01299	0.020421
786.93	0.180879	0.014135	0.004125	0.015296	0.003468	0.001291	0.002711	0.002271	0.001507	0.016589	0.000238	0.000665	0.001338
863.87	0.198353	0.000529	0	0.000678	0	0	0	0	0	0.000789	0	0	0
948.32	0.277593	0	0	0	0	0	0	0	0	0	0	0	0
1041	0.360163	0	0	0	0	0	0	0	0	0	0	0	0
1142.8	0.391081	0	0	0	0	0	0	0	0	0	0	0	0
1254.5	0.36019	0	0	0	0	0	0	0	0	0	0	0	0
1377.2	0.250251	0	0	0	0	0	0	0	0	0	0	0	0
1511.8	0.120602	0	0	0	0	0	0	0	0	0	0	0	0
1659.6	0.027291	0	0	0	0	0	0	0	0	0	0	0	0
1821.9	0.002632	0	0	0	0	0	0	0	0	0	0	0	0
2000													



Age (ka)	212.0974	212.0974	212.0974	212.0974	213.2282	213.2282	215.4897	217.7513	220.5115	223.2718	226.3229	229.3741	232.4252
Depth (cm)	210	210	210	210	212	212	216	220	224	228	232	236	240
Grain size ( $\mu\text{m}$ )	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume
	%	%	%	%	%	%	%	%	%	%	%	%	%
0.37512	0	0	0	0	0	0	0	0	0	0	0	0	0
0.4118	0	0	0	0	0	0	0	0	0	0	0	0	0
0.45206	0	0	0	0	0	0	0	0	0	0	0	0	0
0.49625	0	0	0	0	0	0	0	0	0	0	0	0	0
0.54477	0	0	0	0	0	0	0	0	0	0	0	0	0
0.59803	0	0	0	0	0	0	0	0	0	0	0	0	0
0.65649	0	0	0	0	0	0	0	0	0	0	0	0	0
0.72068	0	0	0	0	0	0	0	0	0	0	0	0	0
0.79113	0	0	0	0	0	0	0	0	0	0	0	0	0
0.86848	0.000561	3.68E-05	0.000194	0.00041	0	0	0	0	0	0	0	0	0
0.95338	0.009992	0.002338	0.004461	0.008268	8.60E-05	0.000384	0.00037	0	0	0	0	0	0
1.0466	0.063904	0.021456	0.031642	0.055646	0.004015	0.007294	0.007672	0.000883	0	0.000128	0.000477	0	0
1.1489	0.210012	0.094463	0.114507	0.191663	0.034251	0.04763	0.051863	0.013211	0.001371	0.004445	0.007909	0.000655	0.000297
1.2612	0.464661	0.240482	0.26785	0.43494	0.143123	0.159846	0.179502	0.07756	0.018075	0.035714	0.048784	0.00907	0.005637
1.3845	0.798419	0.451136	0.479075	0.759918	0.35072	0.354102	0.403646	0.231602	0.097186	0.141097	0.15334	0.049808	0.036005
1.5199	1.18429	0.695181	0.727022	1.13634	0.636411	0.605197	0.695143	0.475724	0.263679	0.336301	0.324765	0.138473	0.11709
1.6685	1.59374	0.958547	0.994102	1.53737	0.945262	0.880761	1.01226	0.758512	0.497749	0.590493	0.529165	0.265071	0.247422
1.8316	2.00412	1.22652	1.26513	1.94109	1.26181	1.16355	1.33414	1.05293	0.740575	0.853939	0.741525	0.399435	0.40045
2.0107	2.38463	1.47823	1.51934	2.31689	1.56049	1.43076	1.6352	1.32972	0.972324	1.10117	0.940476	0.529884	0.549697
2.2072	2.71967	1.70584	1.74785	2.65099	1.83075	1.67318	1.9041	1.57769	1.18189	1.31909	1.11508	0.652356	0.687715
2.423	2.97363	1.88546	1.92685	2.90876	2.053	1.87071	2.11939	1.77753	1.35116	1.48782	1.24894	0.757538	0.804353
2.6599	3.13339	2.00822	2.0474	3.07723	2.21426	2.01272	2.26715	1.92176	1.47687	1.60273	1.3348	0.841457	0.896859
2.92	3.19177	2.06694	2.10265	3.14769	2.30522	2.09066	2.33919	1.99849	1.54543	1.65149	1.36395	0.894913	0.958424
3.2054	3.171	2.07531	2.10706	3.14004	2.33677	2.11521	2.34882	2.01847	1.56337	1.64619	1.34716	0.917492	0.987196
3.5188	3.10804	2.05624	2.08397	3.08958	2.33652	2.11021	2.32544	2.0072	1.55081	1.61045	1.30476	0.92058	0.995659
3.8628	3.01729	2.01867	2.04247	3.01004	2.31632	2.08582	2.2823	1.98037	1.52463	1.56357	1.25211	0.912476	0.993669
4.2405	2.92127	1.97599	1.99531	2.92361	2.29721	2.06112	2.23886	1.95907	1.50625	1.52414	1.20355	0.906332	0.998277
4.6551	2.79177	1.9075	1.92187	2.8013	2.25535	2.01496	2.17294	1.9219	1.47763	1.47581	1.14733	0.891576	0.99689

5.1102	2.65573	1.83096	1.84017	2.66926	2.20687	1.9644	2.10024	1.88194	1.44969	1.4281	1.09208	0.873937	0.993957
5.6098	2.49062	1.73102	1.73584	2.50491	2.12846	1.88757	2.00129	1.81461	1.39655	1.35981	1.02311	0.840077	0.971011
6.1582	2.33956	1.63961	1.64109	2.35238	2.05198	1.81526	1.90636	1.75018	1.34686	1.29709	0.960738	0.805042	0.944649
6.7603	2.18075	1.54078	1.53987	2.19045	1.95944	1.73067	1.7992	1.67302	1.28878	1.22799	0.896103	0.764647	0.910542
7.4212	2.03937	1.45214	1.44928	2.0447	1.87051	1.65459	1.69779	1.60372	1.24629	1.17171	0.844687	0.731626	0.88382
8.1467	1.90941	1.36701	1.36257	1.90867	1.77873	1.58103	1.59736	1.53582	1.21301	1.12244	0.802546	0.70472	0.861478
8.9432	1.79441	1.28872	1.28343	1.78736	1.6851	1.51113	1.50042	1.4693	1.18943	1.08061	0.771035	0.684038	0.841797
9.8175	1.72428	1.23911	1.23335	1.71326	1.61332	1.46587	1.42942	1.42483	1.19259	1.06153	0.762121	0.678096	0.83498
10.777	1.67132	1.19964	1.1933	1.6627	1.54226	1.42352	1.36455	1.38238	1.20399	1.04779	0.762919	0.676681	0.829981
11.831	1.68179	1.20106	1.19192	1.68255	1.5117	1.4206	1.33933	1.37811	1.25701	1.06637	0.794619	0.697229	0.849825
12.988	1.692	1.19443	1.17922	1.70447	1.47329	1.40817	1.30666	1.36538	1.3033	1.07557	0.823327	0.716329	0.867376
14.257	1.7178	1.1895	1.16513	1.73795	1.44479	1.40163	1.28062	1.35755	1.35326	1.08355	0.853803	0.742093	0.891477
15.651	1.69065	1.14335	1.11082	1.7087	1.37901	1.3521	1.21877	1.30623	1.35024	1.04809	0.846284	0.742912	0.884132
17.181	1.60721	1.06557	1.03203	1.62157	1.2803	1.26369	1.12937	1.21294	1.29536	0.971992	0.799091	0.716921	0.840894
18.861	1.49112	0.983261	0.958991	1.5121	1.1707	1.15918	1.03667	1.09957	1.20786	0.877709	0.727967	0.669312	0.769539
20.705	1.37719	0.918921	0.912505	1.42387	1.07259	1.06338	0.961791	0.990776	1.11881	0.78942	0.65571	0.615777	0.689489
22.729	1.34521	0.91971	0.932426	1.43185	1.0428	1.03558	0.953498	0.946179	1.09551	0.761322	0.633508	0.600018	0.65418
24.951	1.39316	0.96927	0.993336	1.51263	1.07177	1.06818	0.99624	0.961046	1.13934	0.790572	0.664774	0.629358	0.673573
27.391	1.52185	1.06415	1.08503	1.64439	1.16174	1.16465	1.08778	1.04116	1.26137	0.884645	0.761314	0.722863	0.768324
30.068	1.66143	1.15972	1.16272	1.74004	1.26318	1.27497	1.18125	1.14075	1.40941	1.00325	0.888837	0.853326	0.907265
33.008	1.74888	1.23164	1.21166	1.74984	1.33867	1.36006	1.24916	1.22175	1.53628	1.11013	1.01146	0.991646	1.0529
36.235	1.74958	1.2805	1.24617	1.67995	1.37237	1.40274	1.28931	1.26667	1.61083	1.1868	1.10547	1.11265	1.17184
39.778	1.67445	1.32096	1.28944	1.58354	1.37253	1.41088	1.31735	1.2818	1.63129	1.23503	1.16667	1.20829	1.25226
43.667	1.58564	1.39139	1.38012	1.54215	1.38311	1.43056	1.37626	1.31297	1.64513	1.2974	1.23382	1.31535	1.33527
47.936	1.54159	1.50937	1.52667	1.60001	1.43814	1.49834	1.4898	1.39837	1.69768	1.41109	1.34517	1.47195	1.46862
52.622	1.58047	1.67836	1.71863	1.75596	1.56015	1.63866	1.66641	1.56493	1.82783	1.60618	1.53607	1.7185	1.70256
57.767	1.69979	1.8798	1.92377	1.95521	1.74451	1.84691	1.88774	1.81043	2.04607	1.88847	1.82094	2.07156	2.06096
63.414	1.85175	2.07471	2.09681	2.09894	1.9547	2.08303	2.10907	2.09382	2.32397	2.22625	2.1776	2.50749	2.52021
69.614	1.95631	2.22836	2.21042	2.09531	2.13893	2.28982	2.28477	2.35377	2.61123	2.5701	2.56501	2.97992	3.02158
76.42	1.93121	2.31183	2.25444	1.90986	2.24019	2.40457	2.37616	2.52027	2.83882	2.8533	2.91743	3.4126	3.46782
83.891	1.74236	2.31568	2.23984	1.59704	2.22357	2.39034	2.36941	2.5494	2.9522	3.02261	3.17393	3.73405	3.76746
92.092	1.43843	2.25335	2.19058	1.27086	2.09146	2.25322	2.27701	2.44371	2.93395	3.0597	3.3004	3.90178	3.87212
101.1	1.12628	2.14489	2.12038	1.02892	1.87569	2.03163	2.11914	2.24052	2.79808	2.97372	3.28579	3.89869	3.77989

110.98	0.908725	2.0242	2.04403	0.906089	1.6352	1.79108	1.92893	2.00663	2.59933	2.81544	3.16686	3.76124	3.55514
121.83	0.821088	1.9169	1.96724	0.873112	1.42834	1.59132	1.73959	1.80345	2.39962	2.64448	2.99974	3.54808	3.28387
133.74	0.832607	1.83894	1.89716	0.864718	1.29837	1.4735	1.5871	1.6751	2.25504	2.51904	2.85456	3.33606	3.05353
146.81	0.863126	1.7906	1.83822	0.816514	1.26104	1.45008	1.49936	1.63939	2.19625	2.47303	2.78599	3.1895	2.92204
161.17	0.81632	1.75024	1.78117	0.704538	1.29593	1.49797	1.4769	1.68041	2.2093	2.4944	2.80075	3.12492	2.89037
176.92	0.652462	1.69489	1.71223	0.558944	1.35673	1.57091	1.49351	1.761	2.24924	2.53763	2.86455	3.11978	2.92198
194.22	0.428526	1.6036	1.6104	0.42641	1.37492	1.60166	1.48986	1.81955	2.24039	2.52293	2.89184	3.09931	2.93528
213.21	0.246908	1.48255	1.47778	0.334798	1.30324	1.54416	1.41311	1.80627	2.1251	2.39147	2.80551	2.99383	2.85783
234.05	0.159521	1.36145	1.34086	0.280396	1.14416	1.3973	1.24938	1.70399	1.89411	2.13739	2.57904	2.7728	2.65716
256.94	0.149982	1.27923	1.24469	0.241607	0.95899	1.21482	1.04655	1.5459	1.60371	1.82606	2.26767	2.47572	2.36617
282.06	0.184101	1.26792	1.23113	0.197221	0.831979	1.07731	0.888066	1.39952	1.34589	1.56219	1.98608	2.19641	2.07186
309.63	0.212783	1.33247	1.30989	0.138297	0.815159	1.03818	0.831134	1.31855	1.18718	1.41841	1.8261	2.01181	1.85317
339.9	0.192134	1.44889	1.45667	0.073325	0.920363	1.11041	0.892344	1.32209	1.14416	1.41293	1.82168	1.95205	1.74829
373.13	0.120097	1.56321	1.60084	0.025934	1.1033	1.24916	1.03213	1.37392	1.17225	1.49162	1.92335	1.97167	1.73034
409.61	0.047915	1.60456	1.64646	0.004581	1.26323	1.35744	1.15802	1.39141	1.18224	1.54292	2.00627	1.9615	1.71333
449.66	0.009262	1.51481	1.52115	0.000312	1.28495	1.33029	1.16335	1.28998	1.08462	1.45187	1.92908	1.80889	1.59706
493.62	0.000701	1.27713	1.21496	0	1.10769	1.11548	0.989941	1.03049	0.843816	1.16651	1.61234	1.45424	1.31807
541.88	0	0.922285	0.792895	0	0.764946	0.742374	0.667226	0.622969	0.492559	0.704716	1.08629	0.889847	0.893675
594.85	0	0.50916	0.383119	0	0.384502	0.35633	0.323789	0.25692	0.193771	0.289344	0.534362	0.373215	0.447265
653.01	0	0.191216	0.118903	0	0.122418	0.10369	0.096627	0.051644	0.037484	0.057898	0.163405	0.076035	0.142362
716.85	0	0.035719	0.018549	0	0.019399	0.014911	0.014264	0.004319	0.002939	0.00481	0.024908	0.006486	0.022619
786.93	0	0.002661	0.000973	0	0.001024	0.00059	0.000624	0	0	0	0.001164	0	0.001193
863.87	0	0	0	0	0	0	0	0	0	0	0	0	0
948.32	0	0	0	0	0	0	0	0	0	0	0	0	0
1041	0	0	0	0	0	0	0	0	0	0	0	0	0
1142.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1254.5	0	0	0	0	0	0	0	0	0	0	0	0	0
1377.2	0	0	0	0	0	0	0	0	0	0	0	0	0
1511.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1659.6	0	0	0	0	0	0	0	0	0	0	0	0	0
1821.9	0	0	0	0	0	0	0	0	0	0	0	0	0
2000													

Age (ka)	234.3882	236.3512	238.672	240.9928	243.3135	245.6343	245.6343	247.9551	250.2759	252.5966	254.9174	257.2382	259.5589
Depth (cm)	242	244	246	248	250	252	252	254	256	258	260	262	264
Grain size (µm)	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume
	%	%	%	%	%	%	%	%	%	%	%	%	%
0.37512	0	0	0	0	0	0	0	0	0	0	0	0	0
0.4118	0	0	0	0	0	0	0	0	0	0	0	0	0
0.45206	0	0	0	0	0	0	0	0	0	0	0	0	0
0.49625	0	0	0	0	0	0	0	0	0	0	0	0	0
0.54477	0	0	0	0	0	0	0	0	0	0	0	0	0
0.59803	0	0	0	0	0	0	0	0	0	0	0	0	0
0.65649	0	0	0	0	0	0	0	0	0	0	0	0	0
0.72068	0	0	0	0	0	0	0	0	0	0	0	0	0
0.79113	0	0	0	0	0	0	0	0	0	0	0	0	0
0.86848	0	0	0	0	0	0	0	0	0	0	0	0	0
0.95338	0	0	0	0	0	0	0	0	0	0	0	0	0
1.0466	0	0	0	0	0	0	0	0	0	0	0	0	0
1.1489	0	0.000151	0	0.00028	0	0.000598	0.000826	0	0.000198	0	0.000439	0	0
1.2612	0.000661	0.004526	0.000517	0.006636	0.000468	0.010414	0.013458	0.001443	0.005012	0.000841	0.007394	0.001038	0.001361
1.3845	0.008702	0.034121	0.007253	0.046477	0.00778	0.064734	0.08124	0.018347	0.035886	0.010065	0.045025	0.013022	0.016759
1.5199	0.047207	0.128231	0.040872	0.164218	0.047508	0.204902	0.249976	0.096821	0.129205	0.051437	0.13967	0.068263	0.08673
1.6685	0.127499	0.292996	0.115	0.364434	0.145196	0.429109	0.515554	0.254507	0.289367	0.12981	0.287848	0.177772	0.22272
1.8316	0.241284	0.498387	0.224263	0.60891	0.297375	0.690741	0.821387	0.469548	0.486342	0.233281	0.457827	0.325811	0.403325
2.0107	0.356261	0.698245	0.338939	0.848014	0.464948	0.948536	1.12257	0.678786	0.679175	0.331061	0.624235	0.46818	0.573555
2.2072	0.46862	0.879777	0.452444	1.06517	0.628667	1.18422	1.39612	0.874062	0.855221	0.426128	0.778131	0.601672	0.730344
2.423	0.568675	1.02881	0.554314	1.24317	0.771968	1.37774	1.61803	1.03864	1.00059	0.512547	0.90824	0.715869	0.861777
2.6599	0.656108	1.14192	0.644547	1.37598	0.893954	1.52106	1.77865	1.16728	1.11056	0.58843	1.01001	0.808594	0.964484
2.92	0.724823	1.21295	0.716669	1.45558	0.985276	1.60258	1.86549	1.25156	1.17812	0.648432	1.07482	0.873876	1.03243
3.2054	0.770649	1.24145	0.766641	1.48177	1.04361	1.62409	1.88307	1.2888	1.20258	0.686641	1.10151	0.908344	1.06256
3.5188	0.799336	1.24366	0.798936	1.47484	1.07468	1.6077	1.8583	1.29409	1.19977	0.70991	1.10403	0.921858	1.06818
3.8628	0.815575	1.23476	0.817722	1.45346	1.0877	1.57378	1.81552	1.28279	1.18445	0.721607	1.09409	0.923586	1.06151
4.2405	0.836359	1.23595	0.840514	1.44173	1.10616	1.54676	1.78106	1.27882	1.1764	0.735324	1.08792	0.931191	1.06256
4.6551	0.850114	1.23186	0.856155	1.42315	1.11704	1.50922	1.7355	1.26706	1.16152	0.740826	1.07252	0.932557	1.0579

5.1102	0.86331	1.22539	0.871615	1.40044	1.12698	1.46705	1.6838	1.25139	1.14288	0.7436	1.05164	0.931483	1.05089
5.6098	0.855453	1.19271	0.865668	1.34919	1.10742	1.39565	1.60017	1.2066	1.0997	0.729532	1.00898	0.908285	1.02016
6.1582	0.843095	1.15453	0.854957	1.29153	1.07883	1.32138	1.51261	1.15416	1.05156	0.711778	0.962061	0.879565	0.983974
6.7603	0.821813	1.10602	0.835102	1.22397	1.03689	1.23935	1.41571	1.09141	0.995192	0.68784	0.907576	0.842341	0.939474
7.4212	0.810224	1.06658	0.825762	1.16699	1.00903	1.17359	1.33324	1.04183	0.949079	0.670612	0.86033	0.814216	0.905422
8.1467	0.80546	1.03105	0.824501	1.11757	0.993715	1.12132	1.26212	1.00398	0.91014	0.659611	0.818639	0.792722	0.879153
8.9432	0.807098	0.998001	0.830914	1.07389	0.990867	1.08305	1.20202	0.977552	0.877774	0.654497	0.782771	0.777453	0.8599
9.8175	0.825954	0.980865	0.855308	1.04916	1.01286	1.07404	1.16912	0.975674	0.864505	0.664041	0.764055	0.779445	0.859294
10.777	0.851786	0.968059	0.88605	1.02829	1.04494	1.0767	1.14467	0.983121	0.859015	0.678908	0.752333	0.789312	0.865785
11.831	0.91	0.988257	0.947435	1.03712	1.11741	1.1178	1.15693	1.02605	0.886017	0.717202	0.767771	0.830851	0.903587
12.988	0.969587	1.00594	1.00714	1.03829	1.19071	1.15105	1.1608	1.06554	0.911797	0.756243	0.782641	0.874109	0.939631
14.257	1.04123	1.02923	1.07688	1.03924	1.27651	1.18187	1.16361	1.1101	0.941442	0.805236	0.803243	0.92546	0.980965
15.651	1.07751	1.0125	1.1112	0.999225	1.31642	1.15981	1.11902	1.1121	0.930498	0.829949	0.794081	0.94008	0.983418
17.181	1.07794	0.955163	1.11255	0.920602	1.30678	1.08831	1.02958	1.07058	0.875296	0.827783	0.752779	0.914414	0.945236
18.861	1.04674	0.874757	1.08509	0.825014	1.253	0.992621	0.921561	0.997916	0.791836	0.79838	0.688992	0.857578	0.878135
20.705	1.01093	0.798166	1.0545	0.737703	1.18823	0.905238	0.824769	0.919396	0.7071	0.75867	0.621988	0.796163	0.807829
22.729	1.03244	0.785127	1.08028	0.712958	1.18757	0.889562	0.801298	0.895115	0.680689	0.755183	0.599776	0.787516	0.791721
24.951	1.12751	0.839325	1.17894	0.749722	1.27243	0.945134	0.850874	0.934191	0.719947	0.802177	0.629333	0.841527	0.838525
27.391	1.32692	0.974976	1.38365	0.8572	1.47588	1.08063	0.982625	1.05736	0.841301	0.925072	0.728034	0.976089	0.966342
30.068	1.58969	1.14815	1.6567	0.994324	1.74998	1.24582	1.14949	1.2271	1.00586	1.0953	0.86608	1.14963	1.13554
33.008	1.87356	1.31442	1.95895	1.12257	2.03929	1.39507	1.30558	1.40226	1.16974	1.27946	1.00997	1.31792	1.30283
36.235	2.12746	1.44186	2.23556	1.21887	2.27668	1.50044	1.42175	1.54252	1.29845	1.43788	1.1304	1.44328	1.42988
39.778	2.32367	1.5246	2.44993	1.2827	2.42432	1.56126	1.49473	1.62689	1.38285	1.55052	1.21599	1.51604	1.50308
43.667	2.48913	1.60889	2.61635	1.35777	2.50768	1.62444	1.56925	1.68399	1.46682	1.64579	1.30047	1.57906	1.56067
47.936	2.65457	1.74088	2.75638	1.48397	2.5669	1.73177	1.68696	1.75029	1.59736	1.76079	1.42061	1.67801	1.64616
52.622	2.86225	1.96395	2.91198	1.69559	2.65786	1.91813	1.88369	1.87141	1.81999	1.94135	1.61585	1.85725	1.8055
57.767	3.12382	2.29153	3.10388	2.00013	2.80717	2.18958	2.1667	2.076	2.15175	2.20958	1.90576	2.13398	2.06212
63.414	3.41414	2.69202	3.3245	2.36456	3.00143	2.51311	2.50309	2.36088	2.5633	2.55008	2.27366	2.48456	2.40164
69.614	3.68599	3.10458	3.54584	2.73391	3.19601	2.8366	2.83709	2.70007	2.99415	2.92206	2.68286	2.86462	2.78764
76.42	3.8718	3.44075	3.71134	3.03294	3.31787	3.09153	3.09414	3.02985	3.35351	3.25372	3.06672	3.20646	3.15288
83.891	3.92148	3.62395	3.76753	3.20099	3.30845	3.22448	3.21487	3.27517	3.5625	3.47923	3.35971	3.453	3.43076
92.092	3.82136	3.62054	3.68328	3.21661	3.15247	3.21725	3.17929	3.37724	3.58905	3.56484	3.5212	3.57787	3.57936
101.1	3.58619	3.44015	3.45595	3.09211	2.88043	3.07858	3.00185	3.30872	3.44752	3.50854	3.53475	3.57462	3.58041

110.98	3.27283	3.15119	3.13734	2.88643	2.57093	2.85827	2.74194	3.1097	3.21114	3.36019	3.43666	3.4776	3.4662
121.83	2.94753	2.84168	2.80441	2.66896	2.3033	2.61798	2.47081	2.85927	2.96499	3.18225	3.28431	3.33106	3.28863
133.74	2.67613	2.59616	2.54036	2.50563	2.13401	2.42007	2.25563	2.6495	2.78127	3.04048	3.14904	3.18853	3.11338
146.81	2.50335	2.4644	2.39779	2.43501	2.07886	2.30613	2.13676	2.54262	2.69518	2.97876	3.0847	3.09313	2.99234
161.17	2.42475	2.43675	2.36685	2.44796	2.10233	2.2717	2.10602	2.53524	2.68689	2.99467	3.09564	3.0481	2.93266
176.92	2.40058	2.4618	2.38988	2.50258	2.14259	2.27821	2.11972	2.57565	2.7082	3.05732	3.14766	3.02814	2.90914
194.22	2.35146	2.4489	2.3643	2.52208	2.1204	2.25172	2.09687	2.57304	2.68916	3.09802	3.16092	2.97203	2.85586
213.21	2.20996	2.32971	2.21075	2.4478	1.99099	2.13221	1.96956	2.46086	2.58684	3.05932	3.06864	2.83176	2.71781
234.05	1.95738	2.09291	1.91655	2.2657	1.76469	1.90649	1.71821	2.23437	2.40278	2.91832	2.84965	2.60239	2.47906
256.94	1.64742	1.80261	1.55811	2.02414	1.50965	1.62677	1.39636	1.95957	2.18557	2.70451	2.55262	2.33673	2.18252
282.06	1.37486	1.56246	1.25876	1.8096	1.31368	1.38012	1.10705	1.72838	2.00032	2.48753	2.27197	2.11376	1.91053
309.63	1.21078	1.44188	1.09943	1.68404	1.22973	1.22972	0.928575	1.59945	1.88763	2.32711	2.08005	1.98554	1.72603
339.9	1.17142	1.45628	1.10043	1.66486	1.26176	1.18899	0.88774	1.57252	1.84607	2.24518	1.99911	1.9478	1.64749
373.13	1.20752	1.54656	1.20858	1.7028	1.35194	1.2111	0.949994	1.58377	1.82276	2.20752	1.97778	1.92913	1.63207
409.61	1.22267	1.59597	1.3107	1.69648	1.39556	1.20737	1.03003	1.53305	1.73772	2.13102	1.9109	1.82292	1.58988
449.66	1.11885	1.48961	1.28047	1.54919	1.29336	1.09186	1.02323	1.33858	1.52445	1.92859	1.7011	1.54919	1.43427
493.62	0.860462	1.18086	1.05118	1.22136	1.01213	0.834443	0.862616	0.986943	1.15609	1.55774	1.31082	1.11262	1.12677
541.88	0.49329	0.703908	0.642099	0.73133	0.593995	0.477923	0.540416	0.546748	0.668235	1.05871	0.769618	0.602325	0.674684
594.85	0.188582	0.284661	0.264179	0.299914	0.235298	0.183232	0.228244	0.202026	0.258665	0.542305	0.308437	0.218417	0.27663
653.01	0.035529	0.056392	0.052933	0.060131	0.045807	0.034672	0.046529	0.037042	0.04936	0.184962	0.060735	0.039502	0.055371
716.85	0.002644	0.004613	0.004376	0.005039	0.003629	0.002604	0.003941	0.002642	0.003653	0.031671	0.004921	0.002778	0.004602
786.93	0	0	0	0	0	0	0	0	0	0.002055	0	0	0
863.87	0	0	0	0	0	0	0	0	0	0	0	0	0
948.32	0	0	0	0	0	0	0	0	0	0	0	0	0
1041	0	0	0	0	0	0	0	0	0	0	0	0	0
1142.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1254.5	0	0	0	0	0	0	0	0	0	0	0	0	0
1377.2	0	0	0	0	0	0	0	0	0	0	0	0	0
1511.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1659.6	0	0	0	0	0	0	0	0	0	0	0	0	0
1821.9	0	0	0	0	0	0	0	0	0	0	0	0	0
2000													

Age (ka)	261.8797	264.2005	266.1721
Depth (cm)	266	268	270
Grain size ( $\mu\text{m}$ )	Volume	Volume	Volume
	%	%	%
0.37512	0	0	0
0.4118	0	0	0
0.45206	0	0	0
0.49625	0	0	0
0.54477	0	0	0
0.59803	0	0	0
0.65649	0	0	0
0.72068	0	0	0
0.79113	0	0	0
0.86848	0	0	0
0.95338	0	0	0
1.0466	0	0	0
1.1489	0	0	0
1.2612	0.000568	0.001086	0.000649
1.3845	0.007803	0.013445	0.007985
1.5199	0.043282	0.069928	0.041502
1.6685	0.119826	0.180366	0.106772
1.8316	0.230306	0.328117	0.194597
2.0107	0.343834	0.468728	0.278791
2.2072	0.453987	0.600739	0.35974
2.423	0.550892	0.71488	0.431349
2.6599	0.633822	0.808462	0.492512
2.92	0.696987	0.875481	0.539058
3.2054	0.737308	0.911213	0.566994
3.5188	0.760366	0.926092	0.582356
3.8628	0.771764	0.928866	0.588754
4.2405	0.78719	0.937029	0.598805
4.6551	0.79655	0.938654	0.604073

5.1102	0.804561	0.936728	0.609261
5.6098	0.792803	0.913409	0.600842
6.1582	0.775409	0.8836	0.590135
6.7603	0.749099	0.845431	0.574799
7.4212	0.730712	0.814059	0.566998
8.1467	0.719055	0.788404	0.565656
8.9432	0.714093	0.76765	0.570178
9.8175	0.724785	0.761571	0.58759
10.777	0.741091	0.760136	0.609435
11.831	0.783803	0.783349	0.651404
12.988	0.827092	0.805651	0.691859
14.257	0.880896	0.83535	0.738341
15.651	0.906224	0.83691	0.75956
17.181	0.89957	0.807807	0.755822
18.861	0.861574	0.753313	0.729999
20.705	0.812383	0.692655	0.700588
22.729	0.805304	0.67591	0.710452
24.951	0.857652	0.715246	0.771239
27.391	0.997126	0.833861	0.90419
30.068	1.19132	1.00143	1.07921
33.008	1.39783	1.1807	1.26319
36.235	1.56509	1.33141	1.41857
39.778	1.6643	1.43364	1.52797
43.667	1.72288	1.5188	1.61864
47.936	1.785	1.62775	1.72428
52.622	1.90795	1.80938	1.88599
57.767	2.12923	2.0918	2.12375
63.414	2.44855	2.46521	2.42556
69.614	2.83753	2.89479	2.7612
76.42	3.22531	3.30879	3.07446
83.891	3.5335	3.63209	3.31213
92.092	3.70664	3.8134	3.44175
101.1	3.72145	3.82826	3.44797



110.98	3.61687	3.7097	3.35798
121.83	3.45513	3.51542	3.21301
133.74	3.30947	3.31952	3.06807
146.81	3.2301	3.18107	2.96871
161.17	3.21547	3.11044	2.92268
176.92	3.23012	3.08234	2.91299
194.22	3.19877	3.02894	2.8877
213.21	3.06339	2.89379	2.80594
234.05	2.80857	2.66154	2.65964
256.94	2.48065	2.37774	2.48499
282.06	2.16906	2.12395	2.34565
309.63	1.94287	1.95935	2.28676
339.9	1.82751	1.89352	2.31205
373.13	1.7826	1.86846	2.37047
409.61	1.71492	1.78178	2.36782
449.66	1.53374	1.54701	2.20936
493.62	1.19683	1.14887	1.85221
541.88	0.713671	0.647206	1.3447
594.85	0.29241	0.24732	0.834434
653.01	0.058625	0.046856	0.482985
716.85	0.004918	0.003584	0.339365
786.93	0	0	0.368436
863.87	0	0	0.502835
948.32	0	0	0.634469
1041	0	0	0.626421
1142.8	0	0	0.426337
1254.5	0	0	0.185851
1377.2	0	0	0.038031
1511.8	0	0	0.003151
1659.6	0	0	0
1821.9	0	0	0
2000			

### 1.7. Percentage of <20µm grain size

Depth (cm)	Age (ka)	% <20µm
0	0	25.38216
4	8.580404	50.50861
12	16.25072	51.04334
16	18.37986	49.0037
20	20.50901	36.81204
24	22.63816	37.16675
28	24.76731	26.97914
32	26.89645	20.24736
36	29.0256	14.7815
40	34.51401	16.75684
44	40.44096	14.24539
46	43.40443	21.19616
48	46.3679	17.93454
52	52.29485	21.41217
56	58.2218	18.30699
60	64.14874	21.38222
64	70.07569	18.67999
68	75.53476	32.4272
72	80.32701	33.48563
76	85.11926	32.15141
80	88.28097	34.59699
84	91.41255	31.96256
86	92.97834	29.88209
88	94.54413	25.05857
90	96.10992	29.06326
92	97.67571	30.28679
94	99.2415	31.1077
96	100.8073	24.10931
98	102.3731	28.84381

100	103.9389	36.09645
104	107.0705	38.30963
108	110.202	49.00555
112	113.3336	42.76704
116	116.9926	40.39623
120	121.0697	33.06544
124	125.1468	33.17517
128	129.224	31.71855
132	132.8922	31.07665
136	135.8532	31.9095
140	138.8142	27.47415
144	141.7752	26.2968
148	144.7362	16.05457
152	148.9376	13.94036
156	153.8603	21.42973
160	162.1449	25.35299
164	171.9167	18.4771
168	180.8245	17.90393
172	189.7323	16.93506
176	192.8744	21.5824
180	195.1359	21.61102
184	197.3974	20.25041
188	199.659	29.21382
192	201.9205	41.34539
196	204.182	27.33647
200	206.4436	34.60126
204	208.7051	53.0097
208	210.9667	56.05485
212	213.2282	53.90633
216	215.4897	50.45352
220	217.7513	45.54757
224	220.5115	38.60128
228	223.2718	33.82593

232	226.3229	25.26946
236	229.3741	20.19466
240	232.4252	23.62609
242	234.3882	26.37805
244	236.3512	29.8002
246	238.672	27.22444
248	240.9928	31.92119
250	243.3135	33.64364
252	245.6343	37.78134
254	247.9551	30.90155
256	250.2759	26.72249
258	252.5966	19.32406
260	254.9174	23.23351
262	257.2382	23.37013
264	259.5589	25.90124
266	261.8797	21.13076
268	264.2005	22.24236
270	266.1721	16.53488

### 1.8. Foraminifera Assemblages, Data from Geomarine Ltd.

Depth (cm)	112-113cm	114-115cm	116-117	118-119	120-121	122-123	124-125	126-127	128-129
Age (ka)	113.3	115.2	117.0	119.0	121.1	123.1	125.1	127.2	129.2
Split counted	3/256	1/128	1/128	1/128	1/128	1/128	1/128	1/128	1/128
Done by	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq
Plank%	97.8	98.6	98.7	98.6	98.1	97.9	96.9	98.8	98.9
Benthic%	2.2	1.4	1.3	1.4	1.9	2.1	3.1	1.2	1.1
Fragment index	2.7	2.5	2.6	2.6	2.5	1.9	3.2	2.2	2.3

<i>Globigerina bulloides</i>	89	62	70	75	69	115	99	67	110
<i>Globigerina falconensis</i>	1	0	1	2	1	2	0	0	0
<i>Neogloboquadrina pachyderma</i>	7	7	13	10	3	8	2	4	5
<i>Neogloboquadrina incompta</i>	49	38	48	48	49	69	52	34	58
<i>Neogloboquadrina dutertrei</i>	0	0	1	0	0	0	0	0	1
<i>Globorotalia inflata</i>	30	31	28	13	33	32	31	24	25
<i>Globorotalia crassula</i>	3	2	4	8	9	5	4	5	9
<i>Globorotalia truncatulinoides (sin)</i>	4	7	2	4	5	2	8	4	2
<i>Globorotalia truncatulinoides (dex)</i>	10	13	14	6	7	11	5	6	7
<i>Globorotalia scitula</i>	5	1	4	1	2	0	0	0	0
<i>Globorotalia crassaformis</i>	0	2	0	2	0	1	0	0	0
<i>Globigerinita glutinata</i>	4	8	12	11	7	10	8	8	14
<i>Globigerinita uvula</i>	0	0	0	0	0	0	0	0	0
<i>Globigerinella siphonifera</i>	6	3	2	3	1	2	5	4	3
<i>Globigerinoides ruber</i>	35	35	52	37	22	40	33	36	30
<i>Globigerinoides conglobatus</i>	0	0	0	0	0	0	0	0	0
<i>Globigerinoides succulifer</i>	3	1	1	4	0	3	1	1	5
<i>Orbulina universa</i>	2	2	4	5	3	0	3	4	3
<i>Turborotalita quinqueloba</i>	0	0	0	1	1	0	1	2	0
<i>Tenuitella iota</i>	0	0	0	0	0	0	0	0	0
<i>Beella digitata</i>	0	0	0	0	0	0	0	0	0
<i>Pulleniatina obliqueloculata</i>	2	0	1	0	0	0	0	0	0
<i>Total counted</i>	250	212	257	230	212	300	252	199	272
<i>Percentage</i>									
<i>Globigerina bulloides</i>	35.600	29.245	27.237	32.609	32.547	38.333	39.286	33.668	40.441

<i>Globigerina falconensis</i>	0.400	0.000	0.389	0.870	0.472	0.667	0.000	0.000	0.000
<i>Neogloboquadrina pachyderma</i>	2.800	3.302	5.058	4.348	1.415	2.667	0.794	2.010	1.838
<i>Neogloboquadrina incompta</i>	19.600	17.925	18.677	20.870	23.113	23.000	20.635	17.085	21.324
<i>Neogloboquadrina dutertrei</i>	0.000	0.000	0.389	0.000	0.000	0.000	0.000	0.000	0.368
<i>Globorotalia inflata</i>	12.000	14.623	10.895	5.652	15.566	10.667	12.302	12.060	9.191
<i>Globorotalia crassula</i>	1.200	0.943	1.556	3.478	4.245	1.667	1.587	2.513	3.309
<i>Globorotalia truncatulinoides (sin)</i>	1.600	3.302	0.778	1.739	2.358	0.667	3.175	2.010	0.735
<i>Globorotalia truncatulinoides (dex)</i>	4.000	6.132	5.447	2.609	3.302	3.667	1.984	3.015	2.574
<i>Globorotalia scitula</i>	2.000	0.472	1.556	0.435	0.943	0.000	0.000	0.000	0.000
<i>Globorotalia crassaformis</i>	0.000	0.943	0.000	0.870	0.000	0.333	0.000	0.000	0.000
<i>Globigerinita glutinata</i>	1.600	3.774	4.669	4.783	3.302	3.333	3.175	4.020	5.147
<i>Globigerinita uvula</i>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<i>Globigerinella siphonifera</i>	2.400	1.415	0.778	1.304	0.472	0.667	1.984	2.010	1.103
<i>Globigerinoides ruber</i>	14.000	16.509	20.233	16.087	10.377	13.333	13.095	18.090	11.029
<i>Globigerinoides conglobatus</i>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<i>Globigerinoides succulifer</i>	1.200	0.472	0.389	1.739	0.000	1.000	0.397	0.503	1.838
<i>Orbulina universa</i>	0.800	0.943	1.556	2.174	1.415	0.000	1.190	2.010	1.103
<i>Turborotalita quinqueloba</i>	0.000	0.000	0.000	0.435	0.472	0.000	0.397	1.005	0.000
<i>Tenuitella iota</i>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<i>Beella digitata</i>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<i>Pulleniatina obliqueloculata</i>	0.800	0.000	0.389	0.000	0.000	0.000	0.000	0.000	0.000

Depth (cm)	130-131	132-133	136-137	140-141	144-145	148-149
Age (ka)	131.1	132.9	135.9	138.8	141.8	144.7
Split counted	1/128	1/128	1/256	1/128	1/128	1/256
Done by	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq
Plank%	98.8	98.6	97.8	98.6	98.7	98.4
Benthic%	1.2	1.4	2.2	1.4	1.3	1.6
Fragment index	2.1	2.2	2.5	2.8	2.3	2.5
<i>Globigerina bulloides</i>	78	95	67	83	89	80
<i>Globigerina falconensis</i>	0	0	0	1	0	0
<i>Neogloboquadrina pachyderma</i>	6	12	6	7	12	5
<i>Neogloboquadrina incompta</i>	57	72	71	69	98	78
<i>Neogloboquadrina dutertrei</i>	0	0	1	0	1	0
<i>Globorotalia inflata</i>	19	32	22	30	22	27
<i>Globorotalia crassula</i>	4	5	2	8	10	7
<i>Globorotalia truncatulinoides (sin)</i>	5	6	6	10	16	8
<i>Globorotalia truncatulinoides (dex)</i>	7	9	9	4	6	5
<i>Globorotalia scitula</i>	0	1	0	0	0	0
<i>Globorotalia crassaformis</i>	0	0	3	1	0	4
<i>Globigerinita glutinata</i>	5	7	9	16	12	4
<i>Globigerinita uvula</i>	0	0	1	0	0	0
<i>Globigerinella siphonifera</i>	1	1	2	2	6	4
<i>Globigerinoides ruber</i>	30	28	26	38	21	14
<i>Globigerinoides conglobatus</i>	0	0	0	0	0	0
<i>Globigerinoides succulifer</i>	0	1	1	3	1	3
<i>Orbulina universa</i>	1	4	3	5	2	3
<i>Turborotalita quinqueloba</i>	0	2	0	3	3	0
<i>Tenuitella iota</i>	0	0	0	0	0	0
<i>Beella digitata</i>	0	0	0	0	0	0

Pulleniatina obliqueloculata	0	0	0	1	0	0
Total counted	213	275	229	281	299	242
Percentage						
Globigerina bulloides	36.620	34.545	29.258	29.537	29.766	33.058
Globigerina falconensis	0.000	0.000	0.000	0.356	0.000	0.000
Neogloboquadrina pachyderma	2.817	4.364	2.620	2.491	4.013	2.066
Neogloboquadrina incompta	26.761	26.182	31.004	24.555	32.776	32.231
Neogloboquadrina dutertrei	0.000	0.000	0.437	0.000	0.334	0.000
Globorotalia inflata	8.920	11.636	9.607	10.676	7.358	11.157
Globorotalia crassula	1.878	1.818	0.873	2.847	3.344	2.893
Globorotalia truncatulinoides (sin)	2.347	2.182	2.620	3.559	5.351	3.306
Globorotalia truncatulinoides (dex)	3.286	3.273	3.930	1.423	2.007	2.066
Globorotalia scitula	0.000	0.364	0.000	0.000	0.000	0.000
Globorotalia crassaformis	0.000	0.000	1.310	0.356	0.000	1.653
Globigerinita glutinata	2.347	2.545	3.930	5.694	4.013	1.653
Globigerinita uvula	0.000	0.000	0.437	0.000	0.000	0.000
Globigerinella siphonifera	0.469	0.364	0.873	0.712	2.007	1.653
Globigerinoides ruber	14.085	10.182	11.354	13.523	7.023	5.785
Globigerinoides conglobatus	0.000	0.000	0.000	0.000	0.000	0.000
Globigerinoides succulifer	0.000	0.364	0.437	1.068	0.334	1.240
Orbulina universa	0.469	1.455	1.310	1.779	0.669	1.240
Turborotalita quinqueloba	0.000	0.727	0.000	1.068	1.003	0.000
Tenuitella iota	0.000	0.000	0.000	0.000	0.000	0.000
Beella digitata	0.000	0.000	0.000	0.000	0.000	0.000
Pulleniatina obliqueloculata	0.000	0.000	0.000	0.356	0.000	0.000



Depth (cm)	172-173	174-175	176-177	178-179	180-181	182-183	184-185	186-187	188-189
Age (ka)	189.7	191.3	192.9	194.0	195.1	196.3	197.4	198.5	199.7
Split counted	1/256	1/256	1/256	1/128	1/256	1/256	1/128	1/128	1/64
Done by	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq
Plank%	99.3	98.8	99.7	98.9	98.1	99.2	98.1	98.2	98.3
Benthic%	0.7	1.2	0.3	1.1	1.9	0.8	1.9	1.8	1.7
Fragment index	2.4	2.1	2.7	4.5	3	3.5	4	3.8	2.4
<i>Globigerina bulloides</i>	105	76	86	104	74	79	115	106	119
<i>Globigerina falconensis</i>	0	0	0	0	0	0	0	0	0
<i>Neogloboquadrina pachyderma</i>	11	5	5	6	3	4	1	7	3
<i>Neogloboquadrina incompta</i>	68	37	51	52	35	25	31	54	36
<i>Neogloboquadrina dutertrei</i>	0	0	0	0	0	0	0	0	0
<i>Globorotalia inflata</i>	31	46	40	48	34	32	37	58	48
<i>Globorotalia crassula</i>	6	4	5	1	5	4	2	11	4
<i>Globorotalia truncatulinoides (sin)</i>	13	19	14	15	5	6	5	5	4
<i>Globorotalia truncatulinoides (dex)</i>	8	4	1	11	5	7	1	6	6
<i>Globorotalia scitula</i>	0	1	0	0	0	0	0	1	0
<i>Globorotalia crassaformis (sin)</i>	0	0	0	0	0	0	0	0	1
<i>Globorotalia crassaformis (dex)</i>	1	1	0	0	0	0	0	0	0
<i>Globigerinita glutinata</i>	10	9	11	3	5	11	9	17	16
<i>Globigerinita uvula</i>	0	0	0	0	0	0	0	1	0
<i>Globigerinella siphonifera</i>	0	1	2	1	1	2	3	7	4
<i>Globigerinoides ruber</i>	18	18	16	27	21	26	48	44	42
<i>Globigerinoides conglobatus</i>	0	0	0	0	0	0	0	0	0
<i>Globigerinoides succulifer</i>	0	0	0	0	1	3	2	5	1
<i>Orbulina universa</i>	0	3	3	1	2	1	4	1	1
<i>Pulleniatina obliqueloculata</i>	0	0	0	0	0	0	0	0	0
<i>Truncorotalia cavernula</i>	1	0	0	0	0	0	0	0	0
<i>Turborotalita quinqueloba</i>	0	1	3	0	3	2	0	0	3
<i>Tenuitella iota</i>	0	1	1	2	0	0	0	1	1
<i>Beella digitata</i>	0	0	0	0	0	0	0	0	0
<i>Globorotalia hirsuta</i>	0	0	0	0	0	0	0	0	0

<i>Sphaeroidinella dehiscens</i>	0	0	0	0	0	0	0	0	0
<i>Total counted</i>	272	226	238	271	194	202	258	324	289
<i>Percentage</i>									
<i>Globigerina bulloides</i>	38.60	33.63	36.13	38.38	38.14	39.11	44.57	32.72	41.18
<i>Globigerina falconensis</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Neogloboquadrina pachyderma</i>	4.04	2.21	2.10	2.21	1.55	1.98	0.39	2.16	1.04
<i>Neogloboquadrina incompta</i>	25.00	16.37	21.43	19.19	18.04	12.38	12.02	16.67	12.46
<i>Neogloboquadrina dutertrei</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Globorotalia inflata</i>	11.40	20.35	16.81	17.71	17.53	15.84	14.34	17.90	16.61
<i>Globorotalia crassula</i>	2.21	1.77	2.10	0.37	2.58	1.98	0.78	3.40	1.38
<i>Globorotalia truncatulinoides (sin)</i>	4.78	8.41	5.88	5.54	2.58	2.97	1.94	1.54	1.38
<i>Globorotalia truncatulinoides (dex)</i>	2.94	1.77	0.42	4.06	2.58	3.47	0.39	1.85	2.08
<i>Globorotalia scitula</i>	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.31	0.00
<i>Globorotalia crassaformis (sin)</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35
<i>Globorotalia crassaformis (dex)</i>	0.37	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Globigerinita glutinata</i>	3.68	3.98	4.62	1.11	2.58	5.45	3.49	5.25	5.54
<i>Globigerinita uvula</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00
<i>Globigerinella siphonifera</i>	0.00	0.44	0.84	0.37	0.52	0.99	1.16	2.16	1.38
<i>Globigerinoides ruber</i>	6.62	7.96	6.72	9.96	10.82	12.87	18.60	13.58	14.53
<i>Globigerinoides conglobatus</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Globigerinoides succulifer</i>	0.00	0.00	0.00	0.00	0.52	1.49	0.78	1.54	0.35
<i>Orbulina universa</i>	0.00	1.33	1.26	0.37	1.03	0.50	1.55	0.31	0.35
<i>Pulleniatina obliqueloculata</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Truncorotalia cavernula</i>	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Turborotalita quinqueloba</i>	0.00	0.44	1.26	0.00	1.55	0.99	0.00	0.00	1.04
<i>Tenuitella iota</i>	0.00	0.44	0.42	0.74	0.00	0.00	0.00	0.31	0.35
<i>Beella digitata</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Globorotalia hirsuta</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sphaeroidinella dehiscens</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Depth (cm)	190-191	192-193	196-197	198-199	200-201	202-203	204-205	206-207	208-209
Age (ka)	200.8	201.9	204.2	205.3	206.4	207.6	208.7	209.8	211.0
Split counted	1/128	1/64	1/128	1/64	1/128	1/64	1/64	1/64	1/64
Done by	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq
Plank%	98.3	97.7	98.9	98.7	99.4	97.9	98.7	99	98.9
Benthic%	1.7	2.3	1.1	1.3	0.6	2.1	1.3	1	1.1
Fragment index	5.6	2.4	2.7	3.3	2.3	2.9	1.9	2.9	2.7
<i>Globigerina bulloides</i>	79	80	63	95	78	102	94	67	92
<i>Globigerina falconensis</i>	0	0	1	3	0	1	0	0	1
<i>Neogloboquadrina pachyderma</i>	4	3	7	7	7	9	7	5	3
<i>Neogloboquadrina incompta</i>	45	35	44	71	41	43	48	32	27
<i>Neogloboquadrina dutertrei</i>	0	1	0	0	0	1	0	1	0
<i>Globorotalia inflata</i>	37	40	24	40	29	54	40	40	44
<i>Globorotalia crassula</i>	6	5	5	4	3	3	5	3	6
<i>Globorotalia truncatulinoides (sin)</i>	5	5	7	6	9	4	6	4	9
<i>Globorotalia truncatulinoides (dex)</i>	4	5	6	7	8	5	2	2	3
<i>Globorotalia scitula</i>	0	1	0	0	0	0	1	0	0
<i>Globorotalia crassaformis (sin)</i>	1	0	0	0	0	0	0	0	0
<i>Globorotalia crassaformis (dex)</i>	0	0	0	2	0	1	0	0	0
<i>Globigerinita glutinata</i>	11	10	8	11	10	2	8	10	7
<i>Globigerinita uvula</i>	0	0	0	0	0	0	1	0	0
<i>Globigerinella siphonifera</i>	0	0	0	2	1	5	0	2	3
<i>Globigerinoides ruber</i>	27	23	22	42	32	44	36	19	20
<i>Globigerinoides conglobatus</i>	0	0	0	0	0	0	0	0	0
<i>Globigerinoides succulifer</i>	0	3	1	2	1	2	5	1	2
<i>Orbulina universa</i>	1	1	1	3	1	2	1	4	2
<i>Pulleniatina obliqueloculata</i>	0	0	0	0	0	0	0	0	1
<i>Truncorotalia cavernula</i>	0	0	0	0	0	0	0	0	0
<i>Turborotalita quinqueloba</i>	0	3	1	1	2	0	0	0	1
<i>Tenuitella iota</i>	2	0	0	0	0	0	0	0	0
<i>Beella digitata</i>	0	0	0	0	0	0	0	0	0
<i>Globorotalia hirsuta</i>	0	1	0	0	0	0	0	0	0

<i>Sphaeroidinella dehiscens</i>	0	0	0	0	0	0	0	0	0
<i>Total counted</i>	222	216	190	296	222	278	254	190	221
<i>Percentage</i>									
<i>Globigerina bulloides</i>	35.59	37.04	33.16	32.09	35.14	36.69	37.01	35.26	41.63
<i>Globigerina falconensis</i>	0.00	0.00	0.53	1.01	0.00	0.36	0.00	0.00	0.45
<i>Neogloboquadrina pachyderma</i>	1.80	1.39	3.68	2.36	3.15	3.24	2.76	2.63	1.36
<i>Neogloboquadrina incompta</i>	20.27	16.20	23.16	23.99	18.47	15.47	18.90	16.84	12.22
<i>Neogloboquadrina dutertrei</i>	0.00	0.46	0.00	0.00	0.00	0.36	0.00	0.53	0.00
<i>Globorotalia inflata</i>	16.67	18.52	12.63	13.51	13.06	19.42	15.75	21.05	19.91
<i>Globorotalia crassula</i>	2.70	2.31	2.63	1.35	1.35	1.08	1.97	1.58	2.71
<i>Globorotalia truncatulinoidea (sin)</i>	2.25	2.31	3.68	2.03	4.05	1.44	2.36	2.11	4.07
<i>Globorotalia truncatulinoidea (dex)</i>	1.80	2.31	3.16	2.36	3.60	1.80	0.79	1.05	1.36
<i>Globorotalia scitula</i>	0.00	0.46	0.00	0.00	0.00	0.00	0.39	0.00	0.00
<i>Globorotalia crassaformis (sin)</i>	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Globorotalia crassaformis (dex)</i>	0.00	0.00	0.00	0.68	0.00	0.36	0.00	0.00	0.00
<i>Globigerinita glutinata</i>	4.95	4.63	4.21	3.72	4.50	0.72	3.15	5.26	3.17
<i>Globigerinita uvula</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00
<i>Globigerinella siphonifera</i>	0.00	0.00	0.00	0.68	0.45	1.80	0.00	1.05	1.36
<i>Globigerinoides ruber</i>	12.16	10.65	11.58	14.19	14.41	15.83	14.17	10.00	9.05
<i>Globigerinoides conglobatus</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Globigerinoides succulifer</i>	0.00	1.39	0.53	0.68	0.45	0.72	1.97	0.53	0.90
<i>Orbulina universa</i>	0.45	0.46	0.53	1.01	0.45	0.72	0.39	2.11	0.90
<i>Pulleniatina obliqueloculata</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45
<i>Truncorotalia cavernula</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Turborotalita quinqueloba</i>	0.00	1.39	0.53	0.34	0.90	0.00	0.00	0.00	0.45
<i>Tenuitella iota</i>	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Beella digitata</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Globorotalia hirsuta</i>	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sphaeroidinella dehiscens</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Depth (cm)	210-211	214-215	218-219	220-221	222-223	224-225	226-227	228-229	232-233
Age (ka)	212.1	214.4	216.6	217.8	219.1	220.5	221.9	223.3	226.3
Split counted	3/128	1/64	1/64	3/256	1/28	1/128	1/64	1/128	3/512
Done by	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq
Plank%	99.1	98.5	97.1	98.4	99.2	99.7	98.4	99.5	98.8
Benthic%	0.9	1.5	2.9	1.6	0.8	0.3	1.6	0.5	1.2
Fragment index	3.9	2.5	3.2	3	3.2	2.2	2	2.4	3
<i>Globigerina bulloides</i>	88	120	79	87	75	90	129	103	113
<i>Globigerina falconensis</i>	0	0	0	1	0	0	1	0	0
<i>Neogloboquadrina pachyderma</i>	4	6	5	4	3	5	5	4	4
<i>Neogloboquadrina incompta</i>	31	46	22	32	37	29	64	40	45
<i>Neogloboquadrina dutertrei</i>	0	0	1	0	0	0	1	0	0
<i>Globorotalia inflata</i>	38	60	35	36	27	24	38	25	33
<i>Globorotalia crassula</i>	2	1	1	5	2	7	2	8	6
<i>Globorotalia truncatulinoides (sin)</i>	6	6	5	4	2	4	7	9	4
<i>Globorotalia truncatulinoides (dex)</i>	6	1	3	6	2	2	4	2	0
<i>Globorotalia scitula</i>	0	0	0	0	1	1	0	3	1
<i>Globorotalia crassaformis (sin)</i>	0	0	1	0	0	0	0	0	0
<i>Globorotalia crassaformis (dex)</i>	1	2	0	0	0	0	0	0	0
<i>Globigerinita glutinata</i>	9	9	5	6	6	6	12	7	6
<i>Globigerinita uvula</i>	0	0	0	0	0	0	1	1	1
<i>Globigerinella siphonifera</i>	5	1	1	2	4	5	5	2	5
<i>Globigerinoides ruber</i>	30	53	33	25	24	27	32	28	26
<i>Globigerinoides conglobatus</i>	0	0	0	0	1	0	0	0	0
<i>Globigerinoides succulifer</i>	3	3	1	4	3	0	1	0	3
<i>Orbulina universa</i>	5	2	4	4	2	1	1	2	1
<i>Pulleniatina obliqueloculata</i>	2	1	1	0	0	0	0	0	0
<i>Truncorotalia cavernula</i>	0	0	0	0	0	0	0	0	0
<i>Turborotalita quinqueloba</i>	2	0	0	1	0	0	0	2	2
<i>Tenuitella iota</i>	0	0	0	0	1	0	0	0	0
<i>Beella digitata</i>	0	0	0	0	0	0	0	0	0
<i>Globorotalia hirsuta</i>	0	0	1	0	0	0	0	0	0

<i>Sphaeroidinella dehiscens</i>	0	0	0	0	0	0	0	0	0
<i>Total counted</i>	232	311	198	217	190	201	303	236	250
<i>Percentage</i>									
<i>Globigerina bulloides</i>	37.93	38.59	39.90	40.09	39.47	44.78	42.57	43.64	45.20
<i>Globigerina falconensis</i>	0.00	0.00	0.00	0.46	0.00	0.00	0.33	0.00	0.00
<i>Neogloboquadrina pachyderma</i>	1.72	1.93	2.53	1.84	1.58	2.49	1.65	1.69	1.60
<i>Neogloboquadrina incompta</i>	13.36	14.79	11.11	14.75	19.47	14.43	21.12	16.95	18.00
<i>Neogloboquadrina dutertrei</i>	0.00	0.00	0.51	0.00	0.00	0.00	0.33	0.00	0.00
<i>Globorotalia inflata</i>	16.38	19.29	17.68	16.59	14.21	11.94	12.54	10.59	13.20
<i>Globorotalia crassula</i>	0.86	0.32	0.51	2.30	1.05	3.48	0.66	3.39	2.40
<i>Globorotalia truncatulinoides (sin)</i>	2.59	1.93	2.53	1.84	1.05	1.99	2.31	3.81	1.60
<i>Globorotalia truncatulinoides (dex)</i>	2.59	0.32	1.52	2.76	1.05	1.00	1.32	0.85	0.00
<i>Globorotalia scitula</i>	0.00	0.00	0.00	0.00	0.53	0.50	0.00	1.27	0.40
<i>Globorotalia crassaformis (sin)</i>	0.00	0.00	0.51	0.00	0.00	0.00	0.00	0.00	0.00
<i>Globorotalia crassaformis (dex)</i>	0.43	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Globigerinita glutinata</i>	3.88	2.89	2.53	2.76	3.16	2.99	3.96	2.97	2.40
<i>Globigerinita uvula</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.42	0.40
<i>Globigerinella siphonifera</i>	2.16	0.32	0.51	0.92	2.11	2.49	1.65	0.85	2.00
<i>Globigerinoides ruber</i>	12.93	17.04	16.67	11.52	12.63	13.43	10.56	11.86	10.40
<i>Globigerinoides conglobatus</i>	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00	0.00
<i>Globigerinoides succulifer</i>	1.29	0.96	0.51	1.84	1.58	0.00	0.33	0.00	1.20
<i>Orbulina universa</i>	2.16	0.64	2.02	1.84	1.05	0.50	0.33	0.85	0.40
<i>Pulleniatina obliqueloculata</i>	0.86	0.32	0.51	0.00	0.00	0.00	0.00	0.00	0.00
<i>Truncorotalia cavernula</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Turborotalita quinqueloba</i>	0.86	0.00	0.00	0.46	0.00	0.00	0.00	0.85	0.80
<i>Tenuitella iota</i>	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00	0.00
<i>Beella digitata</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Globorotalia hirsuta</i>	0.00	0.00	0.51	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sphaeroidinella dehiscens</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Depth (cm)	234-235	236-237	238-239	240-241	242-243	244-245	246-247	248-249	250-251	252-253
Age (ka)	227.8	229.4	230.9	232.4	234.4	236.4	238.7	241.0	243.3	245.6
Split counted	1/128	1/256	1/256	1/128	1/128	1/128	1/128	1/128	1/128	1/64
Done by	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq	Ashwaq
Plank%	99	98.2	97.7	99.3	98.4	99	98.9	98.2	98.2	98.5
Benthic%	1	1.8	2.3	0.7	1.6	1	1.1	1.8	1.8	1.5
Fragment index	3.9	2.8	3.2	2.7	2.9	3.8	2.8	3.4	2.5	2.9
<i>Globigerina bulloides</i>	84	83	71	125	94	78	104	94	84	104
<i>Globigerina falconensis</i>	1	0	1	0	0	0	0	0	1	0
<i>Neogloboquadrina pachyderma</i>	2	4	10	1	4	4	5	5	3	3
<i>Neogloboquadrina incompta</i>	33	39	62	43	53	43	43	27	40	68
<i>Neogloboquadrina dutertrei</i>	0	0	0	0	0	0	0	1	0	0
<i>Globorotalia inflata</i>	36	34	17	45	41	39	54	41	49	58
<i>Globorotalia crassula</i>	4	3	15	4	8	7	3	6	3	3
<i>Globorotalia truncatulinoides (sin)</i>	5	10	1	11	6	2	1	1	1	1
<i>Globorotalia truncatulinoides (dex)</i>	2	1	1	1	3	0	1	0	0	0
<i>Globorotalia scitula</i>	0	0	2	0	0	0	0	1	1	1
<i>Globorotalia crassaformis (sin)</i>	0	0	0	0	0	0	0	0	0	0
<i>Globorotalia crassaformis (dex)</i>	0	1	0	0	0	0	0	0	0	0
<i>Globigerinita glutinata</i>	5	7	13	7	9	3	12	7	7	8
<i>Globigerinita uvula</i>	0	0	1	1	0	0	0	0	0	0
<i>Globigerinella siphonifera</i>	1	2	1	5	0	4	6	0	3	1
<i>Globigerinoides ruber</i>	22	14	18	31	23	20	29	31	22	16
<i>Globigerinoides conglobatus</i>	0	0	0	0	0	0	0	0	0	0
<i>Globigerinoides succulifer</i>	0	0	0	0	1	0	1	1	3	1
<i>Orbulina universa</i>	1	3	0	4	4	1	5	1	4	3
<i>Pulleniatina obliqueloculata</i>	0	0	0	0	0	0	1	0	0	1
<i>Truncorotalia cavernula</i>	0	0	0	0	0	0	0	0	0	0
<i>Turborotalita quinqueloba</i>	1	1	1	3	2	1	1	1	1	0
<i>Tenuitella iota</i>	0	0	0	0	0	0	0	0	0	0
<i>Beella digitata</i>	0	0	0	0	0	0	0	0	0	0
<i>Globorotalia hirsuta</i>	0	0	0	0	0	0	0	0	0	0

<i>Sphaeroidinella dehiscens</i>	0	0	0	0	1	0	0	0	0	0
Total counted	197	202	214	281	249	202	266	217	222	268
Percentage										
<i>Globigerina bulloides</i>	42.64	41.09	33.18	44.48	37.75	38.61	39.10	43.32	37.84	38.81
<i>Globigerina falconensis</i>	0.51	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.45	0.00
<i>Neogloboquadrina pachyderma</i>	1.02	1.98	4.67	0.36	1.61	1.98	1.88	2.30	1.35	1.12
<i>Neogloboquadrina incompta</i>	16.75	19.31	28.97	15.30	21.29	21.29	16.17	12.44	18.02	25.37
<i>Neogloboquadrina dutertrei</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00
<i>Globorotalia inflata</i>	18.27	16.83	7.94	16.01	16.47	19.31	20.30	18.89	22.07	21.64
<i>Globorotalia crassula</i>	2.03	1.49	7.01	1.42	3.21	3.47	1.13	2.76	1.35	1.12
<i>Globorotalia truncatulinoides (sin)</i>	2.54	4.95	0.47	3.91	2.41	0.99	0.38	0.46	0.45	0.37
<i>Globorotalia truncatulinoides (dex)</i>	1.02	0.50	0.47	0.36	1.20	0.00	0.38	0.00	0.00	0.00
<i>Globorotalia scitula</i>	0.00	0.00	0.93	0.00	0.00	0.00	0.00	0.46	0.45	0.37
<i>Globorotalia crassaformis (sin)</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Globorotalia crassaformis (dex)</i>	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Globigerinita glutinata</i>	2.54	3.47	6.07	2.49	3.61	1.49	4.51	3.23	3.15	2.99
<i>Globigerinita uvula</i>	0.00	0.00	0.47	0.36	0.00	0.00	0.00	0.00	0.00	0.00
<i>Globigerinella siphonifera</i>	0.51	0.99	0.47	1.78	0.00	1.98	2.26	0.00	1.35	0.37
<i>Globigerinoides ruber</i>	11.17	6.93	8.41	11.03	9.24	9.90	10.90	14.29	9.91	5.97
<i>Globigerinoides conglobatus</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Globigerinoides succulifer</i>	0.00	0.00	0.00	0.00	0.40	0.00	0.38	0.46	1.35	0.37
<i>Orbulina universa</i>	0.51	1.49	0.00	1.42	1.61	0.50	1.88	0.46	1.80	1.12
<i>Pulleniatina obliqueloculata</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.37
<i>Truncorotalia cavernula</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Turborotalia quinqueloba</i>	0.51	0.50	0.47	1.07	0.80	0.50	0.38	0.46	0.45	0.00
<i>Tenuitella iota</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Beella digitata</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Globorotalia hirsuta</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sphaeroidinella dehiscens</i>	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00



**1.9. Foraminifera Environmental associations (Species associated with each environmental category tabulated in Table 7.1)**

Depth (cm)	Age (ka)	Total counted individuals	Subpolar species (%)	Temperate species (%)	Temperate/subtropical species (%)	Subtropical species (%)	Eutrophic species (%)
112-113	113.3336	248	2.822581	33.87097	4.032258	19.35484	37.5
114-115	115.1631	212	3.301887	35.84906	3.301887	23.11321	33.01887
116-117	116.9926	256	5.078125	30.85938	5.078125	26.17188	32.03125
118-119	119.0311	230	4.347826	29.13043	6.956522	20.43478	37.82609
120-121	121.0697	212	1.415094	41.50943	6.603774	13.67925	36.32075
122-123	123.1083	300	2.666667	35	2	18	41.66667
124-125	125.1468	252	0.793651	36.11111	2.777778	15.47619	42.85714
126-127	127.1854	199	2.01005	31.15578	4.522613	21.60804	38.69347
128-129	129.224	272	1.838235	31.25	4.779412	15.44118	45.58824
130-131	131.0581	213	2.816901	38.02817	2.347418	17.37089	38.96714
132-133	132.8922	275	4.363636	40	3.636364	13.81818	37.81818
136-137	135.8532	229	2.620087	43.23144	3.930131	15.72052	33.18777
140-141	138.8142	280	2.5	39.28571	5	16.07143	36.42857
144-145	141.7752	299	4.013378	45.48495	4.347826	9.364548	34.78261
148-149	144.7362	242	2.066116	46.69421	5.785124	9.090909	34.71074
172-173	189.7323	270	4.074074	41.48148	2.222222	9.62963	42.59259
174-175	191.3033	225	2.222222	45.33333	3.555556	9.777778	38.22222
176-177	192.8744	238	2.10084	44.11765	3.361345	7.142857	42.01681
178-179	194.0051	271	2.214022	42.43542	0.738007	14.02214	39.48339
180-181	195.1359	194	1.546392	38.14433	3.608247	13.91753	42.26804
182-183	196.2667	202	1.980198	31.18812	2.475248	17.82178	45.54455
184-185	197.3974	258	0.387597	28.29457	2.325581	19.76744	48.06202
186-187	198.5282	324	2.160494	36.11111	4.012346	16.97531	37.96296
188-189	199.659	289	1.038062	30.44983	2.076125	16.95502	47.75087
190-191	200.7897	222	1.801802	39.18919	3.603604	13.96396	40.54054
192-193	201.9205	215	1.395349	37.2093	3.72093	14.4186	43.25581

196-197	204.182	190	3.684211	40	3.157895	15.26316	37.89474
198-199	205.3128	294	2.380952	40.81633	2.380952	17.34694	36.39456
200-201	206.4436	222	3.153153	35.58559	1.801802	18.46847	40.54054
202-203	207.5743	277	3.249097	36.8231	2.166065	18.41155	37.54513
204-205	208.7051	254	2.755906	37.00787	2.755906	16.92913	40.15748
206-207	209.8359	190	2.631579	40	4.210526	11.57895	40.52632
208-209	210.9667	220	1.363636	36.81818	3.636364	11.36364	45.45455
210-211	212.0974	229	1.746725	32.75109	3.056769	17.03057	43.23144
214-215	214.359	308	1.948052	36.36364	0.974026	18.50649	41.88312
218-219	216.6205	196	2.55102	31.63265	3.571429	18.87755	42.85714
220-221	217.7513	217	1.843318	33.64055	4.147465	16.12903	43.31797
222-223	219.1314	190	1.578947	34.73684	2.631579	15.26316	42.63158
224-225	220.5115	201	2.487562	28.35821	4.477612	14.42786	47.76119
226-227	221.8916	303	1.650165	36.30363	1.320132	12.21122	46.53465
228-229	223.2718	236	1.694915	31.35593	5.508475	12.71186	47.45763
232-233	226.3229	250	1.6	32.8	3.2	11.6	48.4
234-235	227.8485	197	1.015228	38.07107	2.538071	12.18274	45.68528
236-237	229.3741	201	1.99005	41.29353	2.985075	7.462687	45.27363
238-239	230.8997	214	4.672897	37.85047	7.943925	8.878505	39.71963
240-241	232.4252	281	0.355872	35.23132	2.846975	11.3879	48.0427
242-243	234.3882	248	1.612903	40.32258	4.83871	10.8871	42.33871
244-245	236.3512	202	1.980198	41.58416	3.960396	9.90099	40.59406
246-247	238.672	265	1.886792	36.98113	3.018868	11.69811	44.15094
248-249	240.9928	217	2.304147	31.79724	4.147465	14.74654	47.00461
250-251	243.3135	222	1.351351	40.99099	3.603604	11.26126	41.44144
252-253	245.6343	267	1.123596	47.56554	2.621723	6.367041	41.94757

**1.10. Foraminiferal assemblage temperatures from RFT (Data from Dr Guiseppe Cortese and Dr George Scott)**

Depth (cm)	Age (ka)	Temperature (°C)
112	113.333611	18.771922
114	115.163082	18.388982
116	116.992553	18.554553
118	119.031122	19.1947767
120	121.069692	17.4200007
122	123.108261	18.627558
124	125.146831	18.405482
126	127.185401	18.981468
128	129.22397	20.0404189
130	131.05808	17.3866649
132	132.89219	16.718745
136	135.853186	18.9568383
140	138.814182	18.624308
144	141.775178	17.943682
148	144.736174	18.9568007
172	189.732288	14.9695062
174	191.303319	16.7622653
176	192.874351	16.7890367
178	194.00512	17.071673
180	195.135889	17.7322933
182	196.266658	18.918239
184	197.397427	19.4056547
186	198.528196	19.139731
188	199.658965	18.4119517
190	200.789734	16.419562
192	201.920503	17.54048

196	204.182041	16.167361
198	205.31281	18.1368747
200	206.443579	17.1272483
202	207.574348	18.3100337
204	208.705117	17.2574887
206	209.835885	18.130161
208	210.966654	18.629153
210	212.097423	19.2982377
214	214.358961	18.8842707
218	216.620499	18.569713
220	217.751268	18.9671143
222	219.131391	19.5772163
224	220.511514	17.8641317
226	221.891637	18.4292213
228	223.27176	17.6655076
232	226.322923	18.754913
234	227.848505	17.613331
236	229.374086	17.263896
238	230.899668	16.8282212
240	232.425249	17.5962037
242	234.38824	16.724547
244	236.351231	18.0388983
246	238.672001	18.8518213
248	240.992771	17.0263603
250	243.313541	19.1250377
252	245.634311	17.8981057

### 1.11. Trace Element Analysis

-Trace element/Ca is in mmol/mol.

-Temperatures are derived using the calibration of Bolton et al. (2011), coupled with statistical by Euan Smith. Temperatures and error margins are given after each samples data summary table.

-Individual profile data can be found in Appendix 3.

Depth (cm)	Age (ka)										
4-5	8.6										
Chamber - f2/f1	BD4c - 1 - 1	BD4c - 1 - 3	BD4c - 1 - 4	BD4c - 1 - 6	BD4c - 1 - 7	BD4c - 1 - 8	BD4c - 1 - 10	BD4c - 1 - 11	BD4c - 1 - 12	BD4c - 1 - 14	BD4c - 1 - 15
<sup>24</sup> Mg/ <sup>43</sup> Ca	2.620	3.750	3.155	3.220	2.854	3.761	2.613	3.131	2.647	3.507	2.434
<sup>27</sup> Al/ <sup>43</sup> Ca											
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.068	0.036	0.089	0.027	0.031	0.075	0.020	0.084	0.023	0.084	0.098
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.077	0.051	0.102	0.051	0.069	0.079	0.066	0.087	0.037	0.063	0.083
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.38	1.41	1.35	1.41	1.34	1.38	1.39	1.41	1.29	1.36	1.31
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0040	0.0062	0.0071	0.0026	0.0043	0.0053	0.0022	0.0035	0.0032	0.0047	0.0086

Depth (cm)	Age (ka)									
4-5	8.6									
Chamber - f2/f1	BD4c - 1 - 16	BD4c - 1 - 17	BD4c - 1 - 18	BD4c - 1 - 20	BD4c - 1 - 21	BD4c - 1 - 22	BD4c - 1 - 23		AVERAGES	
<sup>24</sup> Mg/ <sup>43</sup> Ca	2.433	2.347	4.273	2.796	2.691	3.271	4.581	<sup>24</sup> Mg/ <sup>43</sup> Ca	3.116	
<sup>27</sup> Al/ <sup>43</sup> Ca								<sup>27</sup> Al/ <sup>43</sup> Ca		
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.036	0.044	0.060	0.034	0.036	0.130	0.117	<sup>55</sup> Mn/ <sup>43</sup> Ca	0.061	
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.045	0.064	0.023	0.098	0.120	0.082	0.054	<sup>66</sup> Zn/ <sup>43</sup> Ca	0.069	
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.37	1.31	1.35	1.33	1.37	1.39	1.31	<sup>88</sup> Sr/ <sup>43</sup> Ca	1.36	

$^{138}\text{Ba}/^{43}\text{Ca}$	0.0086	0.0049	0.0050	0.0045	0.0037	0.0039	0.0061	$^{138}\text{Ba}/^{43}\text{Ca}$	0.0049	
Temperature 4-5cm			19.78							
Upper temperature of 95% confidence interval			20.79823							
Lower temperature of 95% confidence interval			19.30388							

Depth (cm)	Age (ka)											
144-145	141											
Chamber - f2/f1	BD4a - 2 - 1	BD4a - 2 - 2	BD4a - 2 - 5	BD4a - 2 - 6	BD4a - 2 - 8	BD4a - 2 - 9	BD4a - 2 - 10	BD4a - 2 - 11	BD4a - 2 - 12	BD4a - 2 - 13	BD4a - 2 - 14	
$^{24}\text{Mg}/^{43}\text{Ca}$	2.991	3.610	3.282	2.547	2.906	3.055	3.051	3.399	2.890	2.462	2.907	
$^{27}\text{Al}/^{43}\text{Ca}$												
$^{55}\text{Mn}/^{43}\text{Ca}$	0.018	0.036	0.046	0.017	0.027	0.006	0.044	0.033	0.033	0.049	0.041	
$^{66}\text{Zn}/^{43}\text{Ca}$	0.009	0.008	0.059	0.009	0.005	0.019	0.084	0.016	0.057	0.039	0.022	
$^{88}\text{Sr}/^{43}\text{Ca}$	1.32	1.40	1.44	1.36	1.39	1.33	1.43	1.33	1.37	1.38	1.32	
$^{138}\text{Ba}/^{43}\text{Ca}$	0.0018	0.0017	0.0025	0.0022	0.0020	0.0010	0.0024	0.0028	0.0029	0.0035	0.0025	

Depth (cm)	Age (ka)											
144-145	141											
Chamber - f2/f1	BD4a - 2 - 15	BD4a - 2 - 16	BD4a - 2 - 17	BD4a - 2 - 18	BD4a - 2 - 19	BD4a - 2 - 22	BD4a - 2 - 23	BD4a - 2 - 24	BD4a - 2 - 25	BD4a - 2 - 26	BD4a - 2 - 28	
$^{24}\text{Mg}/^{43}\text{Ca}$	3.334	3.571	3.907	2.394	3.268	3.309	3.264	2.529	2.757	3.051	3.536	
$^{27}\text{Al}/^{43}\text{Ca}$												
$^{55}\text{Mn}/^{43}\text{Ca}$	0.040	0.038	0.022	0.030	0.011	0.010	0.035	0.034	0.032	0.030	0.041	
$^{66}\text{Zn}/^{43}\text{Ca}$	0.012	0.027	0.015	0.014	0.019	0.004	0.059	0.011	0.049	0.036	0.037	
$^{88}\text{Sr}/^{43}\text{Ca}$	1.38	1.46	1.37	1.45	1.29	1.41	1.37	1.32	1.28	1.32	1.47	
$^{138}\text{Ba}/^{43}\text{Ca}$	0.0035	0.0035	0.0032	0.0019	0.0008	0.0014	0.0026	0.0017	0.0022	0.0021	0.0024	

Depth (cm)	Age (ka)		
144-145	141		
Chamber - f2/f1	BD4a - 2 - 30		AVERAGES
$^{24}\text{Mg}/^{43}\text{Ca}$	2.780	$^{24}\text{Mg}/^{43}\text{Ca}$	3.078
$^{27}\text{Al}/^{43}\text{Ca}$		$^{27}\text{Al}/^{43}\text{Ca}$	
$^{55}\text{Mn}/^{43}\text{Ca}$	0.037	$^{55}\text{Mn}/^{43}\text{Ca}$	0.031
$^{66}\text{Zn}/^{43}\text{Ca}$	0.085	$^{66}\text{Zn}/^{43}\text{Ca}$	0.030
$^{88}\text{Sr}/^{43}\text{Ca}$	1.34	$^{88}\text{Sr}/^{43}\text{Ca}$	1.37
$^{138}\text{Ba}/^{43}\text{Ca}$	0.0034	$^{138}\text{Ba}/^{43}\text{Ca}$	0.0023
Temperature 144-145cm			19.56
Upper temperature of 95% confidence interval			20.19388
Lower temperature of 95% confidence interval			19.0262

Depth (cm)	Age (ka)										
164-165	171										
Chamber - f2/f1	BD4a - 3 - 1	BD4a - 3 - 2	BD4a - 3 - 3	BD4a - 3 - 4	BD4a - 3 - 5	BD4a - 3 - 6	BD4a - 3 - 7	BD4a - 3 - 8	BD4a - 3 - 10	BD4a - 3 - 11	BD4a - 3 - 12
$^{24}\text{Mg}/^{43}\text{Ca}$	2.122	3.191	2.731	3.666	1.844	2.338	3.515	2.846	2.420	2.363	2.752
$^{27}\text{Al}/^{43}\text{Ca}$											
$^{55}\text{Mn}/^{43}\text{Ca}$	0.035	0.021	0.042	0.045	0.033	0.011	0.020	0.041	0.037	0.039	0.018
$^{66}\text{Zn}/^{43}\text{Ca}$	0.029	0.028	0.011	0.010	0.030	0.006	0.032	0.015	0.026	0.035	0.007
$^{88}\text{Sr}/^{43}\text{Ca}$	1.29	1.26	1.35	1.28	1.41	1.40	1.48	1.27	1.37	1.37	1.30
$^{138}\text{Ba}/^{43}\text{Ca}$	0.0035	0.0022	0.0053	0.0065	0.0045	0.0026	0.0069	0.0046	0.0032	0.0052	0.0018

Depth (cm)	Age (ka)										
164-165	171										
Chamber - f2/f1	BD4a - 3 - 13	BD4a - 3 - 15	BD4a - 3 - 18	BD4a - 3 - 19	BD4a - 3 - 20	BD4a - 3 - 21	BD4a - 3 - 22	BD4a - 3 - 23	BD4a - 3 - 24	BD4a - 3 - 25	BD4a - 3 - 28
<sup>24</sup> Mg/ <sup>43</sup> Ca	3.353	2.389	2.553	2.314	3.716	4.172	2.202	2.104	3.099	3.520	2.833
<sup>27</sup> Al/ <sup>43</sup> Ca											
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.029	0.045	0.046	0.042	0.049	0.029	0.035	0.031	0.016	0.056	0.045
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.026	0.021	0.017	0.013	0.026	0.012	0.012	0.010	0.014	0.022	0.022
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.48	1.34	1.25	1.27	1.37	1.35	1.34	1.30	1.32	1.39	1.41
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0066	0.0056	0.0054	0.0040	0.0046	0.0044	0.0031	0.0018	0.0036	0.0031	0.0035

Depth (cm)	Age (ka)				
164-165	171				
Chamber - f2/f1	BD4a - 3 - 30	BD4a - 3 - 32	BD4a - 3 - 33		AVERAGES
<sup>24</sup> Mg/ <sup>43</sup> Ca	2.691	2.833	2.562	<sup>24</sup> Mg/ <sup>43</sup> Ca	2.805
<sup>27</sup> Al/ <sup>43</sup> Ca				<sup>27</sup> Al/ <sup>43</sup> Ca	
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.047	0.028	0.037	<sup>55</sup> Mn/ <sup>43</sup> Ca	0.035
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.017	0.030	0.015	<sup>66</sup> Zn/ <sup>43</sup> Ca	0.019
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.44	1.38	1.32	<sup>88</sup> Sr/ <sup>43</sup> Ca	1.35
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0023	0.0041	0.0034	<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0041
Temperature 164-165cm			19.04		
Upper temperature of 95% confidence interval			19.856		
Lower temperature of 95% confidence interval			18.548		



Depth (cm)	Age (ka)										
176-177	192										
Chamber - f2/f1	BD3b - 4 - 2	BD3b - 4 - 5	BD3b - 4 - 7	BD3b - 4 - 8	BD3b - 4 - 9	BD3b - 4 - 10	BD3b - 4 - 11	BD3b - 4 - 12	BD3b - 4 - 13	BD3b - 4 - 14	BD3b - 4 - 15
<sup>24</sup> Mg/ <sup>43</sup> Ca	2.015	2.503	2.514	2.904	3.053	3.598	3.037	2.242	2.323	2.647	2.964
<sup>27</sup> Al/ <sup>43</sup> Ca											
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.028	0.007	0.058	0.031	0.024	0.042	0.047	0.018	0.007	0.048	0.040
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.039	0.005	0.024	0.047	0.034	0.025	0.029	0.032	0.020	0.069	0.059
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.29	1.53	1.57	1.43	1.28	1.45	1.33	1.33	1.29	1.27	1.49
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0037	0.0009	0.0046	0.0055	0.0024	0.0068	0.0041	0.0015	0.0014	0.0042	0.0079

Depth (cm)	Age (ka)										
176-177	192										
Chamber - f2/f1	BD3b - 4 - 16	BD3b - 4 - 17	BD3b - 4 - 18	BD3b - 4 - 20	BD3b - 4 - 21	BD3b - 4 - 23	BD3b - 4 - 24	BD3b - 4 - 26	BD3b - 4 - 27	BD3b - 4 - 28	BD3b - 4 - 29
<sup>24</sup> Mg/ <sup>43</sup> Ca	3.908	2.739	3.130	3.213	2.960	3.698	2.233	3.235	3.472	3.138	2.321
<sup>27</sup> Al/ <sup>43</sup> Ca											
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.033	0.020	0.013	0.031	0.032	0.049	0.007	0.035	0.028	0.031	0.022
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.022	0.016	0.028	0.048	0.021	0.059	0.007	0.025	0.025	0.029	0.022
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.34	1.41	1.43	1.40	1.41	1.37	1.46	1.46	1.33	1.39	1.42
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0028	0.0010	0.0085	0.0060	0.0047	0.0061	0.0010	0.0035	0.0031	0.0022	0.0034

Depth (cm)	Age (ka)				
176-177	192				
Chamber - f2/f1	BD3b - 4 - 30	BD3b - 4 - 32	BD3b - 4 - 33		AVERAGES
<sup>24</sup> Mg/ <sup>43</sup> Ca	2.989	2.076	2.221	<sup>24</sup> Mg/ <sup>43</sup> Ca	2.845
<sup>27</sup> Al/ <sup>43</sup> Ca				<sup>27</sup> Al/ <sup>43</sup> Ca	
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.039	0.021	0.020	<sup>55</sup> Mn/ <sup>43</sup> Ca	0.029

$^{66}\text{Zn}/^{43}\text{Ca}$	0.025	0.007	0.006	$^{66}\text{Zn}/^{43}\text{Ca}$	0.029
$^{88}\text{Sr}/^{43}\text{Ca}$	1.44	1.39	1.37	$^{88}\text{Sr}/^{43}\text{Ca}$	1.39
$^{138}\text{Ba}/^{43}\text{Ca}$	0.0062	0.0025	0.0040	$^{138}\text{Ba}/^{43}\text{Ca}$	0.0039
Temperature 176-177cm			19.6		
Upper temperature of 95% confidence interval			20.184		
Lower temperature of 95% confidence interval			19.02		

Depth (cm)	Age (ka)										
184-185	197										
Chamber - f2/f1	BD3a - 5 - 1	BD3a - 5 - 3	BD3a - 5 - 4	BD3a - 5 - 5	BD3a - 5 - 6	BD3a - 5 - 7	BD3a - 5 - 8	BD3a - 5 - 9	BD3a - 5 - 10	BD3a - 5 - 11	BD3a - 5 - 12
$^{24}\text{Mg}/^{43}\text{Ca}$	1.868	2.006	1.849	1.682	1.699	2.090	2.566	1.500	1.886	2.494	2.080
$^{27}\text{Al}/^{43}\text{Ca}$	6.406	6.124	7.194	5.971	6.835	6.378	5.745	6.356	6.137	7.146	6.434
$^{55}\text{Mn}/^{43}\text{Ca}$	0.034	0.019	0.016	0.024	0.026	0.024	0.023	0.010	0.022	0.018	0.022
$^{66}\text{Zn}/^{43}\text{Ca}$	0.057	0.046	0.025	0.011	0.025	0.009	0.019	0.015	0.020	0.051	0.032
$^{88}\text{Sr}/^{43}\text{Ca}$	0.79	0.84	0.82	0.87	0.79	0.87	0.79	0.85	0.84	0.83	0.81
$^{138}\text{Ba}/^{43}\text{Ca}$	0.0006	0.0010	0.0006	0.0010	0.0013	0.0006	0.0006	0.0004	0.0005	0.0008	0.0008

Depth (cm)	Age (ka)										
184-185	197										
Chamber - f2/f1	BD3a - 5 - 14	BD3a - 5 - 15	BD3a - 5 - 17	BD3a - 5 - 18	BD3a - 5 - 19	BD3a - 5 - 20	BD3a - 5 - 21	BD3a - 5 - 22	BD3a - 5 - 23	BD3a - 5 - 24	BD3a - 5 - 25
$^{24}\text{Mg}/^{43}\text{Ca}$	1.615	2.390	2.073	2.081	3.284	1.648	1.811	2.179	1.682	2.887	1.919
$^{27}\text{Al}/^{43}\text{Ca}$	6.181	7.010	6.267	6.400	5.663	5.875	7.105	6.112	6.293	6.445	6.412
$^{55}\text{Mn}/^{43}\text{Ca}$	0.029	0.022	0.041	0.017	0.032	0.027	0.016	0.027	0.020	0.011	0.024
$^{66}\text{Zn}/^{43}\text{Ca}$	0.030	0.024	0.019	0.017	0.020	0.067	0.038	0.078	0.022	0.020	0.021

<sup>88</sup> Sr/ <sup>43</sup> Ca	0.80	0.86	0.82	0.86	0.81	0.84	0.79	0.78	0.84	0.87	0.91
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0008	0.0016	0.0020	0.0007	0.0007	0.0010	0.0008	0.0009	0.0011	0.0007	0.0010

Depth (cm)	Age (ka)										
<b>184-185</b>	<b>197</b>										
<b>Chamber - f2/f1</b>	<b>BD3a - 5 - 26</b>	<b>BD3a - 5 - 28</b>	<b>BD3a - 5 - 29</b>	<b>BD3a - 5 - 30</b>	<b>BD3a - 5 - 31</b>	<b>BD3a - 5 - 32</b>	<b>BD3a - 5 - 33</b>	<b>BD3a - 5 - 34</b>	<b>BD3a - 5 - 35</b>	<b>BD3a - 5 - 36</b>	<b>BD3a - 5 - 37</b>
<sup>24</sup> Mg/ <sup>43</sup> Ca	2.084	3.246	1.487	2.249	1.972	1.998	2.039	2.081	1.747	1.466	2.621
<sup>27</sup> Al/ <sup>43</sup> Ca	6.309	6.085	6.197	6.406	6.523	7.267	6.023	6.164	6.058	6.173	6.506
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.014	0.024	0.018	0.042	0.025	0.019	0.038	0.025	0.022	0.021	0.019
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.031	0.047	0.012	0.017	0.004	0.036	0.058	0.014	0.023	0.025	0.024
<sup>88</sup> Sr/ <sup>43</sup> Ca	0.87	0.83	0.82	0.79	0.93	0.85	0.82	0.79	0.82	0.85	0.80
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0008	0.0009	0.0006	0.0009	0.0006	0.0018	0.0008	0.0007	0.0005	0.0006	0.0010

Depth (cm)	Age (ka)
<b>184-185</b>	<b>197</b>
	<b>AVERAGES</b>
<sup>24</sup> Mg/ <sup>43</sup> Ca	2.069
<sup>27</sup> Al/ <sup>43</sup> Ca	6.370
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.023
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.029
<sup>88</sup> Sr/ <sup>43</sup> Ca	0.831
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.001

Temperature 184-185cm	16.89
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Upper temperature of 95% confidence interval	17.56705
Lower temperature of 95% confidence interval	16.69024

Depth (cm)	Age (ka)										
192-193	201										
Chamber - f2/f1	BD2b - 6 - 1	BD2b - 6 - 3	BD2b - 6 - 4	BD2b - 6 - 5	BD2b - 6 - 6	BD2b - 6 - 7	BD2b - 6 - 8	BD2b - 6 - 9	BD2b - 6 - 10	BD2b - 6 - 12	BD2b - 6 - 13
<sup>24</sup> Mg/ <sup>43</sup> Ca	2.287	4.173	3.353	3.042	3.070	4.013	2.439	3.051	4.000	2.561	3.330
<sup>27</sup> Al/ <sup>43</sup> Ca											
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.023	0.036	0.037	0.063	0.020	0.042	0.037	0.043	0.061	0.039	0.049
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.022	0.049	0.019	0.065	0.032	0.028	0.078	0.072	0.028	0.034	0.074
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.35	1.34	1.45	1.40	1.36	1.41	1.42	1.33	1.44	1.46	1.40
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0007	0.0016	0.0012	0.0011	0.0015	0.0032	0.0012	0.0013	0.0013	0.0026	0.0028

Depth (cm)	Age (ka)										
192-193	201										
Chamber - f2/f1	BD2b - 6 - 14	BD2b - 6 - 15	BD2b - 6 - 18	BD2b - 6 - 20	BD2b - 6 - 23	BD2b - 6 - 25	BD2b - 6 - 26	BD2b - 6 - 30		AVERAGES	
<sup>24</sup> Mg/ <sup>43</sup> Ca	4.365	2.682	2.141	2.835	3.210	3.870	4.518	2.617	<sup>24</sup> Mg/ <sup>43</sup> Ca	3.240	
<sup>27</sup> Al/ <sup>43</sup> Ca									<sup>27</sup> Al/ <sup>43</sup> Ca		
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.028	0.049	0.031	0.048	0.049	0.032	0.043	0.049	<sup>55</sup> Mn/ <sup>43</sup> Ca	0.041	
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.018	0.033	0.053	0.042	0.045	0.008	0.058	0.046	<sup>66</sup> Zn/ <sup>43</sup> Ca	0.042	
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.47	1.37	1.29	1.37	1.39	1.33	1.48	1.41	<sup>88</sup> Sr/ <sup>43</sup> Ca	1.39	
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0011	0.0010	0.0008	0.0013	0.0011	0.0014	0.0011	0.0029	<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0015	

Temperature 192-193cm	20.22
Upper temperature of 95% confidence interval	21.03672
Lower temperature of 95% confidence interval	19.61434

Depth (cm)	Age (ka)											
204-205	208											
Chamber - f2/f1	BD2a - 7 - 3	BD2a - 7 - 4	BD2a - 7 - 5	BD2a - 7 - 6	BD2a - 7 - 7	BD2a - 7 - 8	BD2a - 7 - 9	BD2a - 7 - 10	BD2a - 7 - 11	BD2a - 7 - 12	BD2a - 7 - 13	
<sup>24</sup> Mg/ <sup>43</sup> Ca	2.910	3.515	3.729	3.746	4.390	3.261	4.249	3.521	3.943	4.155	3.930	
<sup>27</sup> Al/ <sup>43</sup> Ca												
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.039	0.069	0.064	0.055	0.042	0.010	0.043	0.054	0.022	0.032	0.039	
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.039	0.127	0.078	0.050	0.090	0.028	0.049	0.044	0.011	0.067	0.035	
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.37	1.40	1.38	1.38	1.42	1.42	1.49	1.40	1.44	1.46	1.47	
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0028	0.0044	0.0018	0.0020	0.0017	0.0029	0.0039	0.0017	0.0020	0.0019	0.0017	

Depth (cm)	Age (ka)									
204-205	208									
Chamber - f2/f1	BD2a - 7 - 15	BD2a - 7 - 16	BD2a - 7 - 17	BD2a - 7 - 18	BD2a - 7 - 19	BD2a - 7 - 20	BD2a - 7 - 21		AVERAGES	
<sup>24</sup> Mg/ <sup>43</sup> Ca	3.177	3.306	3.760	3.638	3.104	3.180	3.359	<sup>24</sup> Mg/ <sup>43</sup> Ca	3.604	
<sup>27</sup> Al/ <sup>43</sup> Ca								<sup>27</sup> Al/ <sup>43</sup> Ca		
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.060	0.052	0.053	0.054	0.062	0.052	0.041	<sup>55</sup> Mn/ <sup>43</sup> Ca	0.047	
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.039	0.103	0.047	0.066	0.079	0.117	0.120	<sup>66</sup> Zn/ <sup>43</sup> Ca	0.066	
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.39	1.40	1.30	1.33	1.37	1.37	1.34	<sup>88</sup> Sr/ <sup>43</sup> Ca	1.40	
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0015	0.0034	0.0017	0.0015	0.0018	0.0043	0.0039	<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0025	

Temperature 204-205cm	21.49
Upper temperature of 95% confidence interval	22.10047
Lower temperature of 95% confidence interval	20.87953

Depth (cm)	Age (ka)											
216-217	215											
Chamber - f2/f1	BD5c - 8 - 1	BD5c - 8 - 2	BD5c - 8 - 3	BD5c - 8 - 4	BD5c - 8 - 5	BD5c - 8 - 6	BD5c - 8 - 7	BD5c - 8 - 8	BD5c - 8 - 9	BD5c - 8 - 10	BD5c - 8 - 11	
<sup>24</sup> Mg/ <sup>43</sup> Ca	2.208	2.491	4.451	3.332	2.985	3.597	3.099	3.678	4.252	3.692	2.995	
<sup>27</sup> Al/ <sup>43</sup> Ca												
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.006	0.016	0.041	0.039	0.029	0.035	0.030	0.048	0.045	0.014	0.054	
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.003	0.014	0.024	0.011	0.020	0.019	0.017	0.023	0.013	0.012	0.046	
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.34	1.30	1.29	1.36	1.39	1.46	1.35	1.25	1.32	1.36	1.34	
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0008	0.0009	0.0007	0.0014	0.0009	0.0009	0.0009	0.0011	0.0011	0.0012	0.0010	

Depth (cm)	Age (ka)											
216-217	215											
Chamber - f2/f1	BD5c - 8 - 14	BD5c - 8 - 15	BD5c - 8 - 18	BD5c - 8 - 19	BD5c - 8 - 20	BD5c - 8 - 22	BD5c - 8 - 23	BD5c - 8 - 25	BD5c - 8 - 26	BD5c - 8 - 28	BD5c - 8 - 32	
<sup>24</sup> Mg/ <sup>43</sup> Ca	2.961	2.193	2.518	4.618	2.921	2.610	4.276	2.763	2.994	3.536	2.996	
<sup>27</sup> Al/ <sup>43</sup> Ca												
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.038	0.024	0.032	0.036	0.026	0.030	0.039	0.005	0.024	0.036	0.035	
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.026	0.016	0.007	0.045	0.034	0.024	0.014	0.003	0.033	0.036	0.022	
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.30	1.32	1.28	1.43	1.33	1.25	1.35	1.50	1.43	1.32	1.36	
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0012	0.0007	0.0008	0.0009	0.0009	0.0006	0.0009	0.0006	0.0007	0.0010	0.0011	

<b>Depth (cm)</b>	<b>Age (ka)</b>		
<b>216-217</b>	<b>215</b>		
<b>Chamber - f2/f1</b>	<b>BD5c - 8 - 33</b>		<b>AVERAGES</b>
<sup>24</sup> Mg/ <sup>43</sup> Ca	2.278	<sup>24</sup> Mg/ <sup>43</sup> Ca	3.193
<sup>27</sup> Al/ <sup>43</sup> Ca		<sup>27</sup> Al/ <sup>43</sup> Ca	
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.010	<sup>55</sup> Mn/ <sup>43</sup> Ca	0.030
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.007	<sup>66</sup> Zn/ <sup>43</sup> Ca	0.020
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.30	<sup>88</sup> Sr/ <sup>43</sup> Ca	1.35
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0005	<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0009
Temperature 216-217cm			19.96
Upper temperature of 95% confidence interval			20.8024
Lower temperature of 95% confidence interval			19.47625

<b>Depth (cm)</b>	<b>Age (ka)</b>										
<b>236-237</b>	<b>229</b>										
<b>Chamber - f2/f1</b>	<b>BD5b - 9 - 3</b>	<b>BD5b - 9 - 4</b>	<b>BD5b - 9 - 6</b>	<b>BD5b - 9 - 7</b>	<b>BD5b - 9 - 8</b>	<b>BD5b - 9 - 9</b>	<b>BD5b - 9 - 10</b>	<b>BD5b - 9 - 11</b>	<b>BD5b - 9 - 12</b>	<b>BD5b - 9 - 13</b>	<b>BD5b - 9 - 15</b>
<sup>24</sup> Mg/ <sup>43</sup> Ca	3.024	2.906	2.628	2.856	4.077	3.096	2.717	2.657	4.176	4.780	2.756
<sup>27</sup> Al/ <sup>43</sup> Ca											
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.037	0.048	0.035	0.041	0.029	0.036	0.020	0.016	0.041	0.029	0.045
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.025	0.022	0.005	0.015	0.007	0.020	0.013	0.015	0.008	0.009	0.009
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.37	1.32	1.30	1.31	1.46	1.36	1.36	1.35	1.34	1.36	1.27
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0046	0.0085	0.0065	0.0028	0.0020	0.0090	0.0027	0.0013	0.0023	0.0022	0.0025

<b>Depth (cm)</b>	<b>Age (ka)</b>								
<b>236-237</b>	<b>229</b>								

Chamber - f2/f1	BD5b - 9 - 16	BD5b - 9 - 17	BD5b - 9 - 18	BD5b - 9 - 19	BD5b - 9 - 20	BD5b - 9 - 21		AVERAGES		
<sup>24</sup> Mg/ <sup>43</sup> Ca	2.777	4.433	2.844	3.421	3.597	2.737	<sup>24</sup> Mg/ <sup>43</sup> Ca	3.264		
<sup>27</sup> Al/ <sup>43</sup> Ca							<sup>27</sup> Al/ <sup>43</sup> Ca			
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.034	0.008	0.043	0.031	0.036	0.027	<sup>55</sup> Mn/ <sup>43</sup> Ca	0.033		
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.007	0.005	0.018	0.008	0.011	0.010	<sup>66</sup> Zn/ <sup>43</sup> Ca	0.012		
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.40	1.35	1.30	1.38	1.43	1.41	<sup>88</sup> Sr/ <sup>43</sup> Ca	1.36		
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0040	0.0009	0.0056	0.0074	0.0036	0.0034	<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0041		
Temperature 236-237cm			19.52							
Upper temperature of 95% confidence interval			20.72783							
Lower temperature of 95% confidence interval			19.30172							

Depth (cm)	Age (ka)										
244-245	236										
Chamber - f2/f1	BD5a - 10 - 2	BD5a - 10 - 3	BD5a - 10 - 5	BD5a - 10 - 6	BD5a - 10 - 7	BD5a - 10 - 8	BD5a - 10 - 9	BD5a - 10 - 10	BD5a - 10 - 11	BD5a - 10 - 13	BD5a - 10 - 14
<sup>24</sup> Mg/ <sup>43</sup> Ca	2.588	2.282	2.425	2.183	4.762	3.479	2.420	2.889	4.467	4.100	2.816
<sup>27</sup> Al/ <sup>43</sup> Ca											
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.030	0.028	0.028	0.046	0.029	0.044	0.030	0.040	0.036	0.043	0.022
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.019	0.014	0.011	0.023	0.009	0.016	0.009	0.013	0.023	0.015	0.023
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.44	1.47	1.48	1.43	1.34	1.36	1.41	1.45	1.42	1.59	1.45
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0046	0.0015	0.0020	0.0036	0.0036	0.0038	0.0025	0.0024	0.0046	0.0036	0.0031

Depth (cm)	Age (ka)										
244-245	236										
Chamber - f2/f1	BD5a - 10 - 16	BD5a - 10 - 18	BD5a - 10 - 19	BD5a - 10 - 20	BD5a - 10 - 21	BD5a - 10 - 22	BD5a - 10 - 23	BD5a - 10 - 24	BD5a - 10 - 25		AVERAGES



<sup>24</sup> Mg/ <sup>43</sup> Ca	2.578	2.889	2.717	3.816	3.478	3.393	4.555	3.497	2.802	<sup>24</sup> Mg/ <sup>43</sup> Ca	3.207
<sup>27</sup> Al/ <sup>43</sup> Ca										<sup>27</sup> Al/ <sup>43</sup> Ca	
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.029	0.039	0.035	0.025	0.026	0.027	0.034	0.042	0.025	<sup>55</sup> Mn/ <sup>43</sup> Ca	0.033
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.010	0.005	0.018	0.016	0.006	0.016	0.012	0.014	0.010	<sup>66</sup> Zn/ <sup>43</sup> Ca	0.014
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.33	1.44	1.41	1.34	1.38	1.58	1.51	1.45	1.40	<sup>88</sup> Sr/ <sup>43</sup> Ca	1.43
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0020	0.0056	0.0020	0.0017	0.0022	0.0030	0.0043	0.0019	0.0022	<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0030
Temperature 244-245cm			19.8								
Upper temperature of 95% confidence interval			20.76598								
Lower temperature of 95% confidence interval			19.3662								

Depth (cm)	Age (ka)											
248-249	240											
Chamber - f2/f1	BD1b - 11 - 1	BD1b - 11 - 2	BD1b - 11 - 3	BD1b - 11 - 4	BD1b - 11 - 5	BD1b - 11 - 6	BD1b - 11 - 7	BD1b - 11 - 8	BD1b - 11 - 9	BD1b - 11 - 12	BD1b - 11 - 16	
<sup>24</sup> Mg/ <sup>43</sup> Ca	4.014	2.200	2.080	3.315	2.586	2.586	2.382	3.602	3.381	2.837	3.603	
<sup>27</sup> Al/ <sup>43</sup> Ca	0.039	0.295	0.048	0.059	0.043	0.276	0.083	0.168	0.198	0.047	0.332	
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.035	0.034	0.008	0.025	0.010	0.047	0.006	0.033	0.040	0.013	0.021	
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.022	0.006	0.005	0.008	0.003	0.009	0.012	0.005	0.006	0.003	0.018	
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.51	1.35	1.45	1.34	1.50	1.35	1.51	1.54	1.42	1.47	1.66	
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0025	0.0018	0.0006	0.0009	0.0007	0.0022	0.0005	0.0027	0.0034	0.0010	0.0017	

Depth (cm)	Age (ka)				
248-249	240				
Chamber - f2/f1	BD1b - 11 - 17	BD1b - 11 - 19	BD1b - 11 - 26		AVERAGES
<sup>24</sup> Mg/ <sup>43</sup> Ca	2.960	2.797	2.964	<sup>24</sup> Mg/ <sup>43</sup> Ca	2.951

<sup>27</sup> Al/ <sup>43</sup> Ca	0.244	0.119	0.079	<sup>27</sup> Al/ <sup>43</sup> Ca	0.145
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.031	0.033	0.027	<sup>55</sup> Mn/ <sup>43</sup> Ca	0.026
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.005	0.006	-0.001	<sup>66</sup> Zn/ <sup>43</sup> Ca	0.008
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.64	1.66	1.74	<sup>88</sup> Sr/ <sup>43</sup> Ca	1.51
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0023	0.0027	0.0028	<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0018
Temperature 248-249cm			19.47		
Upper temperature of 95% confidence interval			20.35463		
Lower temperature of 95% confidence interval			18.80986		

Depth (cm)	Age (ka)										
256-257	250										
Chamber - f2/f1	BD1a - 12 - 1	BD1a - 12 - 3	BD1a - 12 - 4	BD1a - 12 - 6	BD1a - 12 - 7	BD1a - 12 - 10	BD1a - 12 - 11	BD1a - 12 - 12	BD1a - 12 - 13	BD1a - 12 - 14	BD1a - 12 - 15
<sup>24</sup> Mg/ <sup>43</sup> Ca	3.285	2.962	2.870	2.636	4.262	4.002	3.011	2.537	3.623	2.868	3.335
<sup>27</sup> Al/ <sup>43</sup> Ca	0.214	0.245	0.031	0.112	0.176	0.103	0.285	0.027	0.035	0.069	0.217
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.027	0.031	0.024	0.013	0.045	0.033	0.050	0.021	0.004	0.023	0.028
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.017	0.024	0.008	0.013	0.021	0.023	0.008	0.002	0.008	0.020	0.022
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.37	1.52	1.44	1.31	1.38	1.43	1.36	1.27	1.38	1.54	1.34
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0011	0.0023	0.0008	0.0015	0.0040	0.0030	0.0020	0.0009	0.0009	0.0016	0.0015

Depth (cm)	Age (ka)										
256-257	250										
Chamber - f2/f1	BD1a - 12 - 16	BD1a - 12 - 17	BD1a - 12 - 18	BD1a - 12 - 19	BD1a - 12 - 20	BD1a - 12 - 21	BD1a - 12 - 22	BD1a - 12 - 23	BD1a - 12 - 24	BD1a - 12 - 25	BD1a - 12 - 26
<sup>24</sup> Mg/ <sup>43</sup> Ca	4.384	3.034	2.499	4.132	3.064	2.679	2.445	3.231	3.944	3.370	2.927
<sup>27</sup> Al/ <sup>43</sup> Ca	0.246	0.235	0.026	0.368	0.416	0.204	0.109	0.108	0.138	0.158	0.124

<sup>55</sup> Mn/ <sup>43</sup> Ca	0.039	0.026	0.000	0.034	0.022	0.033	0.006	0.034	0.028	0.034	0.033
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.031	0.009	0.000	0.023	0.021	0.005	0.003	0.009	0.007	0.001	0.016
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.44	1.37	1.37	1.31	1.47	1.39	1.28	1.49	1.36	1.39	1.47
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0024	0.0016	0.0005	0.0014	0.0016	0.0022	0.0010	0.0020	0.0016	0.0017	0.0016

Depth (cm)	Age (ka)			
<b>256-257</b>	<b>250</b>			
<b>Chamber - f2/f1</b>	<b>BD1a - 12 - 27</b>	<b>BD1a - 12 - 28</b>	<b>AVERAGES</b>	
<sup>24</sup> Mg/ <sup>43</sup> Ca	3.606	2.732	<sup>24</sup> Mg/ <sup>43</sup> Ca	3.227
<sup>27</sup> Al/ <sup>43</sup> Ca	0.274	0.185	<sup>27</sup> Al/ <sup>43</sup> Ca	0.171
<sup>55</sup> Mn/ <sup>43</sup> Ca	0.038	0.026	<sup>55</sup> Mn/ <sup>43</sup> Ca	0.027
<sup>66</sup> Zn/ <sup>43</sup> Ca	0.022	0.017	<sup>66</sup> Zn/ <sup>43</sup> Ca	0.014
<sup>88</sup> Sr/ <sup>43</sup> Ca	1.43	1.47	<sup>88</sup> Sr/ <sup>43</sup> Ca	1.40
<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0042	0.0026	<sup>138</sup> Ba/ <sup>43</sup> Ca	0.0018
Temperature 256-257cm			19.81	
Upper temperature of 95% confidence interval			20.62037	
Lower temperature of 95% confidence interval			19.39563	

## APPENDIX 2. ODP 1120 DATA

### 2.1. Age Model

Depth (cm)	Age (ka)
0	0
1	0.388983
6	2.393461
11	4.487285
16	6.58111
21	8.674935
26	10.76876
31	13.13506
36	16.09909
41	19.81927
46	23.53945
51	27.25962
56	30.9798
61	34.69997
66	38.42015
71	42.40198
76	46.72056
81	51.14735
86	56.30948
91	61.96184
96	67.24498
101	72.28197

106	76.33935
111	79.74366
116	83.14797
119	85.19056
122	87.23315
126	89.9566
131	93.36091
136	96.76522
141	100.1695
146	103.5738
151	106.9782
156	110.3825
161	113.7868
166	116.9205
171	119.8738
176	122.4353
181	124.7354
186	127.0356
191	128.4494
196	129.2721
201	130.0949
206	130.9452
211	131.8365
216	133.1435
221	134.7274
226	136.9103
231	139.4924
236	142.0744

241	144.6565
246	147.2386
251	149.8206
256	152.4027
261	154.9848
266	157.5669
271	160.1489
276	162.731
281	165.3131
286	167.8952
291	170.4772
296	173.0593
301	175.6414
306	178.2235
311	180.8055
316	183.3876
321	185.9697
326	188.5517
331	190.7648
336	192.9778
341	194.8825
346	196.7873
351	198.692
356	200.5967
361	202.5014
366	204.4062
371	206.3109
376	208.2156

381	210.1203
386	212.0251
391	213.9298
396	215.8345
401	217.6668
406	219.3904
411	220.9835
416	222.3809
421	223.7783
426	225.1756
431	226.573
436	227.9704
441	229.3677
446	230.7651
451	232.1625
456	233.5598
461	234.9572
466	236.812

## 2.2. Isotope data courtesy of Dr Helen Neil (NIWA)

Depth (cm) <i>Uvigerina</i> spp.	Age (ka)	$\delta^{13}\text{C}$ <i>Uvigerina</i> spp.	$\delta^{18}\text{O}$ <i>Uvigerina</i> spp.	Depth (cm) <i>G. inflata</i>	Age (ka)	$\delta^{13}\text{C}$ <i>G. inflata</i>	$\delta^{18}\text{O}$ <i>G. inflata</i>	Depth (cm) <i>G. bulloides</i>	Age (ka)	$\delta^{13}\text{C}$ <i>G. bulloides</i>	$\delta^{18}\text{O}$ <i>G. bulloides</i>
4	1.555931	0.79	2.35	9	3.649756	1.23	1.98	4	1.555931	0.3	1.88
9	3.649756	1.12	2.07	13	5.324815	0.93	1.89	9	3.649756	0.74	2.15
13	5.324815	0.67	2.16	18	7.41864	0.93	1.82	13	5.324815	1.06	2.07

18	7.41864	0.61	2.15	24	9.931229	1.08	2.02	18	7.41864	0.46	2.16
24	9.931229	0.98	2.29	29	12.02505	1.22	2.02	24	9.931229	0.59	2
29	12.02505	0.69	2.19	35	15.35506	1.16	2.22	29	12.02505	0.49	2.39
35	15.35506	0.98	2.65	42	20.56331	1.14	2.49	35	15.35506	0.16	2.58
47	24.28348	0.7	2.65	47	24.28348	1.4	2.37	42	20.56331	0.81	2.38
52	28.00366	0.74	2.49	52	28.00366	1.13	2.39	47	24.28348	0.71	2.36
63	36.18804	0.61	2.62	63	36.18804	1.08	2.29	52	28.00366	0.27	2.4
68	39.90822	0.35	2.52	68	39.90822	1.32	2.36	63	36.18804	0.67	2.7
73	44.06448	0.07	2.23	73	44.06448	1.13	1.81	68	39.90822	0.7	2.82
83	52.91807	0.12	2.16	83	52.91807	0.95	1.66	73	44.06448	0.54	2.09
93	64.22278	0.51	2.52	93	64.22278	0.78	2.32	83	52.91807	0.5	2.04
103	74.29676	0.28	2.2	103	74.29676	0.34	2.15	103	74.29676	0.38	2.12
113	81.10539	-0.15	2.29	113	81.10539	0.15	1.91	113	81.10539	0.23	2.4
121	86.55229	0.08	2.04	121	86.55229	0.39	1.77	121	86.55229	0.04	2.52
134	95.4035	0.31	2.09	134	95.4035	0.82	1.96	134	95.4035	0.9	2.6
154	109.0207	0.43	1.94	143	101.5313	0.28	1.76	143	101.5313	0.96	2.63
163	115.1485	0.69	2.25	154	109.0207	0.94	2.19	154	109.0207	0.92	2.48
173	121.0551	0.84	2.16	163	115.1485	0.8	1.55	163	115.1485	1.08	2.44
188	127.9557	0.27	2.29	188	127.9557	0.84	2.14	173	121.0551	0.76	1.98
198	129.6013	0.39	2.34	198	129.6013	0.75	2.1	188	127.9557	0.91	2.37
204	130.5886	0.88	2.21	204	130.5886	0.92	2.04	198	129.6013	0.85	2.36
213	132.1931	0.95	2.38	213	132.1931	0.9	2.46	204	130.5886	0.7	2.19
223	135.361	1.08	2.56	223	135.361	0.84	2.11	223	135.361	0.38	2.22
233	140.5252	0.64	2.66	233	140.5252	1.32	2.43	233	140.5252	0.09	2.45
238	143.1073	0.66	2.53	248	148.2714	1.11	2.4	238	143.1073	0.61	2.18
248	148.2714	1	2.49	257	152.9191	0.89	2.55	248	148.2714	0.38	2.1
257	152.9191	0.94	2.53	269	159.1161	0.71	2.53	257	152.9191	0.13	2.42
269	159.1161	0.21	2.33	279	164.2803	0.85	2.31	269	159.1161	-0.02	2.49
279	164.2803	0.89	2.48	290	169.9608	0.84	2.18	279	164.2803	0.36	2.34
290	169.9608	0.55	2.59	297	173.5757	0.61	2.07	290	169.9608	-0.04	2.12
297	173.5757	0.62	2.38	300	175.125	0.55	2.46	297	173.5757	0.11	2.24
300	175.125	0.94	2.72	311	180.8055	0.89	2.62	300	175.125	0	2.29
311	180.8055	0.6	2.72	320	185.4533	0.3	2.54	320	185.4533	-0.39	2.5



320	185.4533	0.54	2.93	326	188.5517	0.39	2.26	326	188.5517	-0.34	2.42
326	188.5517	0.48	2.85	336	192.9778	0.44	2.19	336	192.9778	0.02	2.33
336	192.9778	0.73	2.44	341	194.8825	0.36	2.46	341	194.8825	0.3	2.15
349	197.9301	0.48	2.48	349	197.9301	0.65	2.47	349	197.9301	-0.41	1.95
359	201.7395	0.19	2.47	359	201.7395	0.55	2.16	359	201.7395	-0.06	1.91
369	205.549	0.47	2.2	369	205.549	0.5	2.17	369	205.549	-0.51	1.73
379	209.3584	0.47	2.15	379	209.3584	0.33	2	379	209.3584	-0.29	1.61
389	213.1679	0.29	2.35	389	213.1679	0.79	2.36	389	213.1679	0.38	2.08
399	216.9773	0.12	2.2	399	216.9773	0.45	1.99	399	216.9773	-0.1	2.29
409	220.4246	0.13	2.67	409	220.4246	0.59	2.17	409	220.4246	0.17	1.79
419	223.2193	-0.07	2.8	419	223.2193	0.73	2.43	419	223.2193	-0.1	2.26
429	226.014	0.4	2.44	429	226.014	0.68	2	429	226.014	0.32	2.23
438	228.5293	0.3	2.39	446	230.7651	0.24	2.33	438	228.5293	0.09	1.84
446	230.7651	0	2.48	451	232.1625	0.44	1.94	446	230.7651	-0.19	1.76
451	232.1625	0.26	2.62	464	235.7956	0.71	1.83	451	232.1625	-0.14	1.81
464	235.7956	0.04	1.98					464	235.7956	0.39	1.91

### 2.3. Sedimentation rate, MAR of <20 $\mu$ m, % CaCO<sub>3</sub> and MAR of CaCO<sub>3</sub>.

Depth (cm)	Age (ka)	Sedimentation rate	MAR <20 $\mu$ m (g/cm <sup>2</sup> /kyr)	Depth (cm)	Age (ka)	% CaCO <sub>3</sub>	MAR CaCO <sub>3</sub> (g/cm <sup>2</sup> /kyr)
1	0.388983	2.494415	0.798535	4	1.555931	94	2.244696
6	2.393461	2.387975	0.861259	9	3.649756	90.7	2.165893
11	4.487285	2.387975	1.077376	13	5.324815	90.2	2.153953
16	6.58111	2.387975	1.06689	18	7.41864	90.2	2.153953
21	8.674935	2.387975	1.091637	24	9.931229	87.2	2.082314
26	10.76876	2.113007	0.822956	29	12.02505	87.2	1.571169
31	13.13506	1.686888	0.700037	35	15.35506	89.2	1.198868
36	16.09909	1.344023	0.599506	42	20.56331	92	1.236501

41	19.81927	1.344023	0.668469		47	24.28348	90.5	1.21634
46	23.53945	1.344023	0.762688		52	28.00366	94.2	1.266069
51	27.25962	1.344023	0.591986		63	36.18804	93	1.249941
56	30.9798	1.344023	0.544449		68	39.90822	90.8	1.092328
61	34.69997	1.344023	0.663732		73	44.06448	72.8	0.822265
66	38.42015	1.255705	0.570673		83	52.91807	89	0.787282
71	42.40198	1.157788	0.419633		93	64.22278	90.5	0.898354
76	46.72056	1.129485	0.344697		103	74.29676	85.8	1.260166
81	51.14735	0.968592	0.351116		113	81.10539	87.4	1.283666
86	56.30948	0.884587	0.276737		121	86.55229	91	1.33654
91	61.96184	0.946407	0.207142		134	95.4035	92	1.351227
96	67.24498	0.992656	0.294329		143	101.5313	94	1.380602
101	72.28197	1.232321	0.29324		154	109.0207	94	1.380602
106	76.33935	1.468725	0.487572		163	115.1485	96	1.62529
111	79.74366	1.468725	0.429786		173	121.0551	94.1	2.045496
116	83.14797	1.468725	0.346474		188	127.9557	91.6	5.566401
119	85.19056	1.468725	0.467341		198	129.6013	92.8	5.639323
122	87.23315	1.468725	0.452353		204	130.5886	93.4	5.239143
126	89.9566	1.468725	0.491907		213	132.1931	94.5	2.982995
131	93.36091	1.468725	0.419952		223	135.361	87.2	1.688566
136	96.76522	1.468725	0.40542		233	140.5252	87.3	1.690502
141	100.1695	1.468725	0.5865		238	143.1073	88.2	1.70793
146	103.5738	1.468725	0.741714		248	148.2714	93	1.800878
151	106.9782	1.468725	0.545593		257	152.9191	91.1	1.764086
156	110.3825	1.468725	0.84275		269	159.1161	88.7	1.717612
161	113.7868	1.595549	1.15538		279	164.2803	92	1.781514
166	116.9205	1.69301	0.945147		290	169.9608	93.4	1.808624
171	119.8738	1.952032	1.305522		297	173.5757	96.5	1.868653

176	122.4353	2.173747	1.441231		300	175.125	93.2	1.804751
181	124.7354	2.173747	1.468113		311	180.8055	90.6	1.754404
186	127.0356	3.536701	2.089191		320	185.4533	89.4	1.731167
191	128.4494	6.076857	3.740784		326	188.5517	92.4	2.087638
196	129.2721	6.076857	3.344431		336	192.9778	92	2.415046
201	130.0949	5.880809	3.240216		341	194.8825	92.9	2.438671
206	130.9452	5.60936	2.681001		349	197.9301	87.2	2.289043
211	131.8365	3.825748	2.011377		359	201.7395	86.9	2.281168
216	133.1435	3.156609	1.181439		369	205.549	87.7	2.302168
221	134.7274	2.290599	0.894594		379	209.3584	88	2.310044
226	136.9103	1.936428	0.627697		389	213.1679	88.3	2.317919
231	139.4924	1.936428	0.550848		399	216.9773	90.3	2.619505
236	142.0744	1.936428	0.480935		409	220.4246	87.7	3.138037
241	144.6565	1.936428	0.531616		419	223.2193	87.9	3.145193
246	147.2386	1.936428	0.360256		429	226.014	85.4	3.055739
251	149.8206	1.936428	0.97849		438	228.5293	87.5	3.130881
256	152.4027	1.936428	0.773815		446	230.7651	87.8	3.141615
261	154.9848	1.936428	0.548275		464	235.7956	89.1	1.753315
266	157.5669	1.936428	0.423557					
271	160.1489	1.936428	0.434355					
276	162.731	1.936428	0.612206					
281	165.3131	1.936428	0.773424					
286	167.8952	1.936428	0.736541					
291	170.4772	1.936428	0.894193					
296	173.0593	1.936428	0.919939					
301	175.6414	1.936428	0.768699					
306	178.2235	1.936428	0.781133					
311	180.8055	1.936428	0.702577					

316	183.3876	1.936428	0.501612				
321	185.9697	1.936428	0.570176				
326	188.5517	2.259349	0.691892				
331	190.7648	2.259349	0.692152				
336	192.9778	2.625049	0.810398				
341	194.8825	2.625049	1.04422				
346	196.7873	2.625049	0.814558				
351	198.692	2.625049	0.556605				
356	200.5967	2.625049	0.883155				
361	202.5014	2.625049	0.693235				
366	204.4062	2.62505	0.726064				
371	206.3109	2.62505	0.904975				
376	208.2156	2.62505	1.064015				
381	210.1203	2.625049	1.072824				
386	212.0251	2.625049	1.088304				
391	213.9298	2.625049	0.969257				
396	215.8345	2.728842	1.13924				
401	217.6668	2.900891	1.106119				
406	219.3904	3.138509	1.250926				
411	220.9835	3.578149	1.439954				
416	222.3809	3.578149	1.306723				
421	223.7783	3.578149	1.052328				
426	225.1756	3.578149	1.124041				
431	226.573	3.578149	1.327346				
436	227.9704	3.578149	1.029599				
441	229.3677	3.578149	1.26305				
446	230.7651	3.578149	0.89525				
451	232.1625	3.578149	1.1718				

456	233.5598	3.578149	1.044919						
461	234.9572	2.695733	0.742347						
466	236.812	1.967806	0.80038						

## 2.4. Grain size distributions

Age (ka)	0.388983	2.393461	4.487285	6.58111	8.674935	10.76876	13.13506	16.09909	19.81927	23.53945	27.25962	29.49173	33.2119
Depth (cm)	1	6	11	16	21	26	31	36	41	46	51	54	59
	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume
Grain size (µm)	%	%	%	%	%	%	%	%	%	%	%	%	%
0.37512	0	0.063799	0	0	0	0.028034	0.012425	0.030025	0.145348	0.303849	0.109124	0.221325	0.279992
0.4118	0	0.114988	0	0	0	0.050151	0.022202	0.053618	0.259942	0.546379	0.195436	0.396607	0.50123
0.45206	0	0.16664	0	0	0	0.071686	0.031433	0.077061	0.376651	0.78474	0.282431	0.573022	0.724466
0.49625	0	0.227851	0	0	0	0.095979	0.041074	0.104102	0.518811	1.07132	0.38646	0.789261	0.999273
0.54477	0	0.269493	0	0	0	0.110629	0.046047	0.121326	0.618612	1.26702	0.456584	0.943104	1.19597
0.59803	0	0.297841	0	0	0	0.117787	0.0477	0.131198	0.685812	1.39171	0.500702	1.04866	1.331
0.65649	0	0.316937	0	0	0	0.12002	0.048054	0.136639	0.727444	1.45224	0.524648	1.1127	1.4122
0.72068	0	0.327677	0	0	0	0.117988	0.047652	0.138588	0.746978	1.45267	0.530716	1.13972	1.44523
0.79113	0	0.328812	0	0	0.000117	0.113156	0.048371	0.138117	0.739478	1.38837	0.516384	1.1228	1.42022
0.86848	0.000178	0.326503	0	0	0.002042	0.109957	0.053476	0.139475	0.711779	1.28104	0.489144	1.07203	1.34679
0.95338	0.002711	0.332676	0	0	0.013304	0.115873	0.068632	0.150505	0.682861	1.17095	0.466253	1.01186	1.25269
1.0466	0.016031	0.357403	0.0002	0.000482	0.044637	0.137813	0.099973	0.178576	0.670432	1.09092	0.463422	0.963543	1.16255
1.1489	0.048958	0.408635	0.00382	0.007252	0.102237	0.182419	0.153615	0.230625	0.691966	1.07482	0.495531	0.949832	1.10459
1.2612	0.104503	0.488589	0.025355	0.043167	0.184161	0.255227	0.233875	0.311759	0.756306	1.14382	0.570733	0.98292	1.0947
1.3845	0.178549	0.598943	0.086391	0.132095	0.290992	0.360713	0.343123	0.425998	0.872332	1.32304	0.696837	1.07642	1.15072
1.5199	0.271267	0.738341	0.194848	0.279453	0.423664	0.499967	0.48138	0.574171	1.04269	1.62024	0.87577	1.23363	1.27862
1.6685	0.380107	0.898624	0.336357	0.460834	0.578157	0.666908	0.643446	0.750537	1.25978	2.01345	1.09955	1.44179	1.46619
1.8316	0.498272	1.0577	0.492097	0.657647	0.744843	0.848161	0.81905	0.942058	1.49868	2.43764	1.34415	1.66372	1.67495
2.0107	0.615555	1.18093	0.646212	0.850423	0.909465	1.02557	0.993798	1.13015	1.71688	2.79153	1.56934	1.84027	1.84185
2.2072	0.723472	1.23673	0.789268	1.02788	1.06069	1.18289	1.15448	1.29791	1.86949	2.97751	1.73196	1.91431	1.90725

2.423	0.815365	1.21139	0.915509	1.18388	1.18997	1.30655	1.28832	1.43094	1.92423	2.93873	1.79993	1.85416	1.83924
2.6599	0.891301	1.1208	1.02647	1.31693	1.2965	1.39151	1.3891	1.52422	1.88127	2.69579	1.77127	1.67606	1.65677
2.92	0.952862	0.997973	1.1198	1.42468	1.38181	1.44107	1.456	1.58081	1.76969	2.33613	1.67215	1.43488	1.41733
3.2054	1.00633	0.879002	1.19959	1.51316	1.45433	1.46925	1.49848	1.61492	1.63353	1.96115	1.54389	1.19175	1.18333
3.5188	1.05708	0.784306	1.27131	1.5913	1.52239	1.49018	1.52797	1.64085	1.50207	1.61981	1.41476	0.974856	0.981825
3.8628	1.10801	0.721297	1.34127	1.66489	1.58954	1.5076	1.55007	1.66321	1.38221	1.2998	1.29267	0.778125	0.80476
4.2405	1.15802	0.68834	1.41284	1.73182	1.65178	1.51258	1.56185	1.67473	1.26571	0.967337	1.17199	0.583537	0.631563
4.6551	1.19924	0.681006	1.47773	1.77791	1.69519	1.48936	1.55205	1.65999	1.1473	0.620277	1.05043	0.392382	0.462071
5.1102	1.22994	0.697995	1.53372	1.79865	1.71634	1.4371	1.52104	1.61825	1.0392	0.329805	0.941185	0.237476	0.325431
5.6098	1.24518	0.733132	1.57131	1.78967	1.71095	1.36154	1.47028	1.5527	0.95495	0.165434	0.856856	0.144643	0.246483
6.1582	1.25273	0.788932	1.60042	1.76348	1.69154	1.28054	1.41437	1.47981	0.914904	0.130751	0.814048	0.120682	0.24165
6.7603	1.24933	0.855823	1.6166	1.71662	1.65455	1.19542	1.35159	1.39799	0.915312	0.205694	0.807178	0.153843	0.306246
7.4212	1.23845	0.929291	1.62469	1.65092	1.60281	1.10772	1.28291	1.30853	0.949266	0.390037	0.829542	0.242419	0.435377
8.1467	1.21566	0.990737	1.6168	1.56239	1.53127	1.01379	1.20277	1.20838	0.989984	0.623589	0.860025	0.362209	0.588896
8.9432	1.18062	1.0248	1.59126	1.45814	1.44442	0.917923	1.11538	1.10513	1.01164	0.794733	0.880943	0.475523	0.715837
9.8175	1.13826	1.02205	1.55862	1.35765	1.35907	0.833829	1.03821	1.01794	0.998834	0.833732	0.88178	0.545785	0.773011
10.777	1.08649	0.977444	1.52325	1.27032	1.28359	0.767504	0.982826	0.955385	0.945527	0.73492	0.854908	0.554661	0.747074
11.831	1.03526	0.907281	1.50663	1.21096	1.23742	0.730132	0.967495	0.93078	0.877093	0.565096	0.812639	0.513807	0.670078
12.988	0.980364	0.823396	1.49963	1.16547	1.21108	0.715157	0.980712	0.931208	0.812808	0.410383	0.760778	0.447731	0.583987
14.257	0.930438	0.751209	1.502	1.12917	1.201	0.723102	1.01043	0.949034	0.77777	0.329724	0.717465	0.390589	0.532266
15.651	0.885816	0.706065	1.49321	1.0895	1.18615	0.746221	1.02699	0.964822	0.775755	0.336069	0.692731	0.363034	0.531542
17.181	0.851376	0.700722	1.4668	1.05153	1.15633	0.782577	1.01613	0.970615	0.799703	0.415588	0.697545	0.373596	0.579652
18.861	0.830561	0.737189	1.42954	1.02862	1.11476	0.828798	0.984402	0.968157	0.835326	0.536423	0.736066	0.41885	0.659779
20.705	0.821005	0.804226	1.39413	1.02933	1.07378	0.877706	0.952659	0.963668	0.863856	0.646059	0.799854	0.485008	0.745568
22.729	0.822913	0.88553	1.38284	1.05744	1.05741	0.922148	0.949173	0.969266	0.878633	0.706633	0.873155	0.556388	0.820313
24.951	0.829569	0.958723	1.39757	1.09396	1.07487	0.950652	0.980225	0.985638	0.878599	0.711355	0.929908	0.619812	0.879527
27.391	0.839321	1.014	1.43208	1.11834	1.12592	0.962727	1.03532	1.01137	0.873941	0.685592	0.954493	0.673165	0.933596
30.068	0.850106	1.05268	1.46468	1.11365	1.1924	0.966886	1.08501	1.03906	0.875405	0.666092	0.946984	0.719887	0.993359
33.008	0.863938	1.08992	1.47599	1.08577	1.25046	0.98378	1.102	1.06508	0.892013	0.685532	0.929089	0.765805	1.06366
36.235	0.884484	1.14449	1.46049	1.06296	1.28306	1.0351	1.0811	1.09174	0.926726	0.759636	0.932456	0.812519	1.13728
39.778	0.915749	1.23117	1.43218	1.08143	1.29224	1.13332	1.04819	1.12679	0.97689	0.883597	0.983967	0.85911	1.20264
43.667	0.963252	1.357	1.42175	1.17031	1.30378	1.27513	1.05037	1.1812	1.0376	1.02953	1.09582	0.907401	1.25588
47.936	1.03414	1.51982	1.46276	1.33787	1.35753	1.43987	1.1342	1.26501	1.10719	1.15584	1.25951	0.968069	1.31248

52.622	1.13826	1.71291	1.57765	1.5654	1.49131	1.60207	1.32644	1.38571	1.19251	1.23204	1.4497	1.06277	1.40804
57.767	1.28626	1.92964	1.76775	1.81286	1.72399	1.74926	1.62006	1.54726	1.30818	1.26107	1.63807	1.21613	1.5818
63.414	1.48473	2.1661	2.00802	2.0366	2.04136	1.89435	1.9664	1.74906	1.4703	1.28338	1.81065	1.44346	1.85684
69.614	1.73065	2.42043	2.25264	2.21444	2.39044	2.07119	2.28993	1.98453	1.6854	1.35591	1.97741	1.73613	2.21782
76.42	2.00738	2.6873	2.45351	2.35557	2.69514	2.3128	2.52748	2.23926	1.93984	1.5208	2.16318	2.05406	2.60027
83.891	2.28768	2.95386	2.58268	2.48855	2.89148	2.62564	2.66286	2.49092	2.19789	1.77989	2.38738	2.338	2.91322
92.092	2.54534	3.20029	2.64599	2.63915	2.96344	2.97371	2.73495	2.71408	2.41438	2.07953	2.6463	2.54138	3.09375
101.1	2.77275	3.40827	2.67894	2.81125	2.95454	3.28862	2.81294	2.89211	2.56213	2.32831	2.90959	2.6645	3.15897
110.98	2.98932	3.57125	2.72668	2.98684	2.94155	3.50954	2.95877	3.02883	2.65294	2.4534	3.14043	2.75815	3.20813
121.83	3.23491	3.69926	2.82212	3.14101	2.99167	3.62675	3.19787	3.15092	2.73384	2.45512	3.32369	2.89431	3.35285
133.74	3.54079	3.80586	2.96603	3.25446	3.12044	3.68295	3.50155	3.28823	2.85138	2.40461	3.47096	3.11363	3.63153
146.81	3.89746	3.88675	3.11921	3.31384	3.27595	3.72914	3.78998	3.44336	3.01247	2.38448	3.59712	3.3921	3.9573
161.17	4.23346	3.90196	3.20706	3.29369	3.35139	3.76711	3.94928	3.56612	3.15975	2.4267	3.67804	3.63361	4.11854
176.92	4.42805	3.78092	3.14395	3.15086	3.23213	3.72485	3.87143	3.55661	3.18763	2.48586	3.63634	3.71219	3.89769
194.22	4.36209	3.45468	2.86984	2.84184	2.85822	3.48954	3.49716	3.30777	2.99956	2.46176	3.37323	3.5474	3.22703
213.21	3.98934	2.90748	2.39029	2.36555	2.2668	2.98949	2.85255	2.77625	2.57416	2.26774	2.83882	3.15693	2.24157
234.05	3.37419	2.20826	1.78996	1.79708	1.58505	2.26956	2.05844	2.03203	1.99787	1.9002	2.09724	2.65272	1.18121
256.94	2.67616	1.50656	1.21372	1.27623	0.986995	1.51194	1.30768	1.26236	1.43222	1.45792	1.34278	2.18137	0.422811
282.06	2.07714	0.972191	0.802992	0.925516	0.604419	0.939075	0.784846	0.701778	1.01767	1.07854	0.793071	1.8432	0.076168
309.63	1.68544	0.681926	0.60596	0.783143	0.45013	0.650308	0.543188	0.43654	0.807805	0.848789	0.533357	1.66483	0.005456
339.9	1.515	0.617753	0.599372	0.815723	0.47692	0.61741	0.537558	0.425435	0.771092	0.779154	0.519183	1.60081	0
373.13	1.49357	0.707752	0.717736	0.938748	0.614643	0.752727	0.690674	0.592673	0.832636	0.81971	0.666365	1.56103	0
409.61	1.49697	0.84785	0.858856	1.02748	0.761269	0.927425	0.887786	0.831982	0.890565	0.885223	0.851552	1.44996	0
449.66	1.39825	0.903419	0.898782	0.968613	0.796679	0.974436	0.971509	0.96328	0.843313	0.877468	0.907896	1.21016	0
493.62	1.12625	0.787305	0.771034	0.740484	0.670901	0.808926	0.851686	0.87236	0.647638	0.735025	0.749229	0.84811	0
541.88	0.683816	0.498195	0.483564	0.414507	0.411091	0.480858	0.537284	0.561315	0.391298	0.455688	0.436395	0.446085	0
594.85	0.281081	0.209166	0.20302	0.152813	0.167585	0.185252	0.223802	0.237469	0.168477	0.187363	0.160322	0.153637	0
653.01	0.056253	0.042313	0.041167	0.027842	0.033238	0.034846	0.04484	0.048126	0.069355	0.037229	0.028678	0.026434	0
716.85	0.004632	0.003505	0.00346	0.001962	0.002688	0.002523	0.003646	0.00398	0.046448	0.002944	0.001834	0.001651	0
786.93	0	0	0	0	0	0	0	0	0.05657	0	0	0	0
863.87	0	0	0	0	0	0	0	0	0.054008	0	0	0	0
948.32	0	0	0	0	0	0	0	0	0.020404	0	0	0	0
1041	0	0	0	0	0	0	0	0	0.003075	0	0	0	0

1142.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1254.5	0	0	0	0	0	0	0	0	0	0	0	0	0
1377.2	0	0	0	0	0	0	0	0	0	0	0	0	0
1511.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1659.6	0	0	0	0	0	0	0	0	0	0	0	0	0
1821.9	0	0	0	0	0	0	0	0	0	0	0	0	0
2000													

Age (ka)	34.69997	38.42015	42.40198	46.72056	51.14735	56.30948	61.96184	67.24498	72.28197	76.33935	79.74366	83.14797	85.19056
Depth (cm)	61	66	71	76	81	86	91	96	101	106	111	116	119
	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume
Grain size (µm)	%	%	%	%	%	%	%	%	%	%	%	%	%
0.37512	0.225422	0.155146	0.094792	0.046006	0.060157	0.043451	0.02206	0.036581	0.02809	0.05189	0.039565	0.023844	0.050817
0.4118	0.404229	0.278316	0.169447	0.082046	0.10776	0.077738	0.039022	0.065192	0.049852	0.092525	0.070422	0.042333	0.090643
0.45206	0.583651	0.402974	0.247055	0.120027	0.157144	0.113692	0.057632	0.09577	0.073538	0.136396	0.103664	0.062448	0.133187
0.49625	0.801705	0.5538	0.343285	0.167623	0.217563	0.158289	0.082588	0.134847	0.104846	0.193553	0.146896	0.089097	0.187915
0.54477	0.953822	0.658463	0.413542	0.203496	0.261053	0.191738	0.104282	0.165879	0.131204	0.240828	0.182232	0.11177	0.232
0.59803	1.0548	0.72852	0.465062	0.231529	0.293093	0.218123	0.124089	0.191814	0.154541	0.281913	0.21255	0.132146	0.269274
0.65649	1.11196	0.77089	0.503017	0.255198	0.31798	0.240983	0.143703	0.215452	0.176735	0.319779	0.240317	0.151847	0.302847
0.72068	1.12939	0.788695	0.530632	0.276868	0.337827	0.262219	0.164749	0.238606	0.199476	0.356268	0.267494	0.172331	0.334679
0.79113	1.10036	0.77683	0.543034	0.294528	0.350239	0.2803	0.186288	0.259519	0.221188	0.388156	0.291908	0.192489	0.362137
0.86848	1.03634	0.74409	0.543275	0.310076	0.358814	0.297855	0.208099	0.279111	0.241764	0.415292	0.3138	0.212429	0.386076
0.95338	0.964639	0.711698	0.542309	0.329771	0.372966	0.321823	0.231741	0.301719	0.263167	0.441017	0.33624	0.233964	0.410994
1.0466	0.909193	0.698853	0.551092	0.360233	0.401753	0.358992	0.259095	0.331697	0.287502	0.46797	0.362329	0.258934	0.440788
1.1489	0.894926	0.723973	0.579825	0.407007	0.452552	0.414513	0.291688	0.372355	0.316603	0.498385	0.395057	0.289027	0.478747
1.2612	0.935296	0.795584	0.630914	0.470268	0.526244	0.488116	0.32839	0.422765	0.349594	0.530742	0.433895	0.323629	0.524068
1.3845	1.04518	0.922387	0.706418	0.54873	0.622537	0.578051	0.367386	0.481425	0.385433	0.564472	0.478133	0.361891	0.576062
1.5199	1.22926	1.10629	0.805586	0.639536	0.739017	0.681114	0.40689	0.546414	0.422852	0.598953	0.526295	0.402504	0.633013



1.6685	1.47538	1.33799	0.924142	0.738438	0.869952	0.791848	0.445496	0.615046	0.460771	0.633171	0.5769	0.444178	0.692002
1.8316	1.74484	1.5874	1.04664	0.83464	0.999249	0.897077	0.480414	0.679875	0.496289	0.662626	0.625651	0.484118	0.745557
2.0107	1.97334	1.80267	1.1451	0.909165	1.09951	0.974967	0.505726	0.72764	0.523567	0.67885	0.66408	0.516965	0.781493
2.2072	2.09622	1.92873	1.19032	0.942796	1.14388	1.00488	0.51641	0.746577	0.53766	0.676264	0.684116	0.53807	0.789829
2.423	2.07365	1.92884	1.16493	0.924853	1.11877	0.977401	0.510248	0.731933	0.536023	0.6547	0.680844	0.544392	0.767235
2.6599	1.91684	1.8086	1.07762	0.863574	1.03624	0.904206	0.492361	0.692773	0.523219	0.624331	0.659287	0.539186	0.72351
2.92	1.67991	1.60987	0.954214	0.778464	0.923351	0.808535	0.470232	0.643443	0.505651	0.595326	0.627532	0.52723	0.672185
3.2054	1.42751	1.38781	0.826443	0.692939	0.811435	0.716288	0.452279	0.599845	0.49089	0.576657	0.595492	0.515042	0.62712
3.5188	1.19328	1.1769	0.714117	0.621895	0.719818	0.643224	0.443642	0.571193	0.482651	0.569397	0.567417	0.505988	0.592964
3.8628	0.9768	0.987659	0.627222	0.573125	0.658216	0.59694	0.447005	0.562522	0.482363	0.573157	0.545923	0.501839	0.570453
4.2405	0.765454	0.81903	0.569579	0.550044	0.629563	0.579795	0.464438	0.575886	0.491032	0.58848	0.534373	0.504301	0.559494
4.6551	0.564422	0.674887	0.541748	0.551881	0.631885	0.589566	0.494424	0.608666	0.507275	0.61579	0.535071	0.512806	0.560425
5.1102	0.403019	0.56955	0.545176	0.5783	0.66359	0.62421	0.536201	0.658644	0.532148	0.658038	0.552333	0.529539	0.577332
5.6098	0.304193	0.512762	0.574477	0.621845	0.715654	0.675025	0.583607	0.716981	0.561065	0.709517	0.581697	0.550871	0.606663
6.1582	0.281728	0.517881	0.632419	0.681718	0.788024	0.740984	0.635886	0.783364	0.595451	0.774166	0.626175	0.579678	0.652897
6.7603	0.328466	0.581405	0.712535	0.749553	0.871212	0.813465	0.686849	0.849792	0.630639	0.848353	0.682068	0.612346	0.711454
7.4212	0.438694	0.696235	0.81176	0.822322	0.961251	0.888723	0.733861	0.913434	0.667672	0.937527	0.754037	0.650637	0.786077
8.1467	0.580219	0.82683	0.908111	0.88592	1.03855	0.950355	0.767566	0.960004	0.700944	1.03076	0.834169	0.688473	0.866832
8.9432	0.707951	0.925686	0.974586	0.926164	1.08319	0.981523	0.780133	0.977285	0.725745	1.11119	0.909906	0.720171	0.941146
9.8175	0.77466	0.947996	0.986384	0.930643	1.07992	0.969051	0.766479	0.959214	0.737626	1.15659	0.963306	0.740998	0.992962
10.777	0.75331	0.874856	0.931503	0.891131	1.02171	0.907016	0.724378	0.905557	0.730597	1.14393	0.974099	0.745081	1.00357
11.831	0.661064	0.740753	0.832728	0.819308	0.929216	0.81371	0.664095	0.835913	0.709992	1.07826	0.943195	0.738187	0.975373
12.988	0.540161	0.600205	0.721427	0.729309	0.824452	0.71029	0.595231	0.764458	0.678417	0.973153	0.87698	0.720796	0.913028
14.257	0.446482	0.50938	0.639463	0.649995	0.742368	0.629357	0.537455	0.713634	0.651439	0.868045	0.804864	0.704526	0.844433
15.651	0.413042	0.491211	0.608025	0.600692	0.701986	0.588698	0.502618	0.691195	0.638314	0.793323	0.750544	0.694059	0.792466
17.181	0.449503	0.542424	0.633366	0.595996	0.713231	0.597034	0.501155	0.70173	0.650233	0.770897	0.735204	0.69832	0.778414
18.861	0.544583	0.638986	0.70413	0.636164	0.770457	0.648143	0.532781	0.741098	0.68918	0.804228	0.765218	0.72122	0.809385
20.705	0.664017	0.739645	0.795131	0.709179	0.854254	0.724015	0.58971	0.799289	0.749571	0.877697	0.831646	0.761858	0.874946
22.729	0.765564	0.811416	0.881763	0.797128	0.943222	0.804814	0.660135	0.86854	0.822614	0.969718	0.919042	0.817736	0.956986
24.951	0.821039	0.843825	0.946497	0.878926	1.01713	0.872672	0.729375	0.938834	0.895042	1.05399	1.00521	0.879511	1.03004
27.391	0.836539	0.855363	0.992625	0.947115	1.07398	0.926215	0.791949	1.00809	0.961675	1.12026	1.07949	0.941787	1.08285
30.068	0.839975	0.873134	1.03352	1.00407	1.12238	0.972971	0.847498	1.07444	1.02035	1.16962	1.13925	0.998588	1.11677
33.008	0.863814	0.919023	1.08747	1.0637	1.17968	1.02776	0.904159	1.1403	1.07685	1.21478	1.19361	1.05077	1.14795

36.235	0.924756	0.996762	1.16555	1.14057	1.25965	1.10221	0.971042	1.20877	1.13872	1.26894	1.25434	1.10309	1.19506
39.778	1.01797	1.09295	1.26906	1.24585	1.36792	1.20185	1.05683	1.28505	1.21458	1.34108	1.33212	1.16484	1.27095
43.667	1.1215	1.18602	1.39236	1.38666	1.50276	1.32764	1.16982	1.37862	1.31477	1.4367	1.43648	1.24972	1.37981
47.936	1.21267	1.26358	1.52946	1.56646	1.65904	1.47865	1.31746	1.50215	1.45011	1.56043	1.57631	1.37292	1.51786
52.622	1.29127	1.33833	1.68362	1.78994	1.83713	1.65821	1.50822	1.67019	1.6325	1.72065	1.76281	1.5492	1.68059
57.767	1.38576	1.4452	1.86853	2.06242	2.04522	1.87362	1.749	1.89272	1.87039	1.92798	2.0067	1.78728	1.86816
63.414	1.53967	1.62465	2.10178	2.38644	2.29528	2.1318	2.04151	2.16848	2.16373	2.18852	2.31161	2.08466	2.08578
69.614	1.78567	1.89889	2.39238	2.75562	2.59292	2.43179	2.37851	2.4806	2.49993	2.49443	2.66593	2.42488	2.33853
76.42	2.11823	2.24956	2.72727	3.14794	2.92529	2.75747	2.74195	2.79818	2.85365	2.81688	3.03744	2.77955	2.62123
83.891	2.48188	2.61275	3.06799	3.52662	3.25781	3.0786	3.10756	3.08699	3.19466	3.11003	3.37859	3.11759	2.91195
92.092	2.78814	2.90193	3.36268	3.85093	3.5435	3.36178	3.45472	3.32576	3.50108	3.32776	3.64328	3.41827	3.17485
101.1	2.96866	3.06018	3.57385	4.09503	3.7462	3.58938	3.77912	3.52039	3.77251	3.44973	3.81062	3.68305	3.37687
110.98	3.02299	3.09989	3.70295	4.2631	3.8613	3.77143	4.09678	3.70286	4.0313	3.49593	3.89731	3.93599	3.50892
121.83	3.02169	3.09957	3.79218	4.38728	3.91849	3.94091	4.43467	3.91419	4.30952	3.51897	3.95037	4.21096	3.59665
133.74	3.05222	3.14653	3.88855	4.49561	3.95457	4.1241	4.80154	4.16966	4.61738	3.56889	4.01302	4.52045	3.68139
146.81	3.15502	3.27683	4.0006	4.57892	3.97797	4.30838	5.15886	4.43129	4.91671	3.6538	4.08847	4.82826	3.78395
161.17	3.28708	3.43749	4.06683	4.56674	3.94416	4.4232	5.40555	4.59845	5.109	3.71978	4.11993	5.03558	3.87192
176.92	3.33039	3.49644	3.96847	4.34704	3.76538	4.3571	5.40346	4.53832	5.06252	3.66384	4.00451	5.00763	3.85636
194.22	3.1577	3.31305	3.59413	3.83052	3.35714	4.01197	5.03786	4.15074	4.6727	3.38639	3.64599	4.63616	3.63204
213.21	2.71929	2.82939	2.91978	3.01902	2.70054	3.37129	4.29288	3.43715	3.93052	2.86374	3.02579	3.91256	3.15089
234.05	2.09082	2.12761	2.05707	2.04099	1.87775	2.534	3.28656	2.52609	2.95358	2.18449	2.24056	2.96228	2.47638
256.94	1.4526	1.41925	1.24275	1.14492	1.06816	1.69647	2.2464	1.6442	1.96519	1.52827	1.48819	2.0179	1.78275
282.06	0.980356	0.907525	0.6969	0.563717	0.508313	1.06566	1.42394	1.01085	1.20609	1.07005	0.964749	1.31263	1.26304
309.63	0.74273	0.669388	0.467757	0.328017	0.260452	0.726197	0.94268	0.697252	0.785196	0.870724	0.732216	0.941256	1.00681
339.9	0.712095	0.662668	0.483549	0.336638	0.250268	0.644831	0.778798	0.654105	0.666918	0.9069	0.755656	0.867255	1.00147
373.13	0.806435	0.797136	0.649533	0.494766	0.401227	0.730567	0.83031	0.782404	0.750407	1.0918	0.944384	0.988068	1.15932
409.61	0.911253	0.940035	0.831791	0.682445	0.634244	0.864409	0.965705	0.94985	0.909118	1.2816	1.1533	1.15856	1.33314
449.66	0.902457	0.939666	0.862378	0.727284	0.775745	0.90197	1.02713	0.994063	0.979927	1.31243	1.20365	1.20444	1.35177
493.62	0.722518	0.727542	0.686143	0.569693	0.712249	0.761963	0.903022	0.834048	0.854206	1.10868	1.01261	1.02729	1.12951
541.88	0.420588	0.397662	0.385869	0.307345	0.456248	0.466392	0.577142	0.505703	0.535741	0.688805	0.619004	0.63808	0.692091
594.85	0.158418	0.133095	0.138	0.100632	0.188719	0.188467	0.245227	0.202116	0.220681	0.287792	0.251039	0.263036	0.28245
653.01	0.029314	0.02185	0.024225	0.016094	0.037411	0.037023	0.050016	0.039339	0.043838	0.058195	0.049527	0.052368	0.055935
716.85	0.00204	0.001145	0.001539	0.000801	0.002937	0.002929	0.004207	0.003068	0.003497	0.00489	0.003965	0.00423	0.004498

786.93	0	0	0	0	0	0	0	0	0	0	0	0	0
863.87	0	0	0	0	0	0	0	0	0	0	0	0	0
948.32	0	0	0	0	0	0	0	0	0	0	0	0	0
1041	0	0	0	0	0	0	0	0	0	0	0	0	0
1142.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1254.5	0	0	0	0	0	0	0	0	0	0	0	0	0
1377.2	0	0	0	0	0	0	0	0	0	0	0	0	0
1511.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1659.6	0	0	0	0	0	0	0	0	0	0	0	0	0
1821.9	0	0	0	0	0	0	0	0	0	0	0	0	0
2000													

Age (ka)	88.59487	88.59487	89.9566	93.36091	96.76522	100.1695	103.5738	106.9782	106.9782	110.3825	113.7868	116.9205	119.8738
Depth (cm)	124	124	126	131	136	141	146	151	151	156	161	166	171
	Volume	Volume	Volume	Volume	Volume	Volume	Volume	%	%	%	Volume	Volume	Volume
Grain size (µm)	%	%	%	%	%	%	%				%	%	%
0.37512	0.037509	0.05164	0.075895	0.043036	0.058783	0.090787	0.147482	0.080199	0.077666	0.281669	0.262561	0.238874	0.242279
0.4118	0.066753	0.092107	0.135471	0.076625	0.10481	0.162405	0.267791	0.143401	0.138995	0.515118	0.4818	0.437924	0.444551
0.45206	0.098415	0.135349	0.198488	0.112962	0.154088	0.237277	0.382036	0.209883	0.203323	0.718879	0.682267	0.614456	0.627293
0.49625	0.139903	0.191056	0.280323	0.160594	0.218905	0.333431	0.517966	0.295047	0.28568	0.954634	0.907566	0.81656	0.836051
0.54477	0.174492	0.236118	0.347905	0.200281	0.274053	0.411642	0.613699	0.363664	0.352438	1.10758	1.04565	0.945367	0.969877
0.59803	0.20496	0.274355	0.406452	0.235132	0.323857	0.478555	0.682953	0.421965	0.409885	1.1988	1.12634	1.02254	1.05479
0.65649	0.233708	0.308878	0.459521	0.267688	0.37159	0.538364	0.728188	0.474241	0.462353	1.21521	1.15075	1.04071	1.08757
0.72068	0.262611	0.34157	0.509679	0.299923	0.419809	0.593695	0.750743	0.523143	0.512437	1.16015	1.1193	1.00096	1.06945
0.79113	0.289621	0.369736	0.553886	0.329277	0.466247	0.64189	0.756041	0.565656	0.55784	1.06001	1.04642	0.922088	1.01699
0.86848	0.314962	0.394144	0.593651	0.355772	0.512195	0.686442	0.765918	0.604725	0.602228	0.969724	0.983542	0.851203	0.97905
0.95338	0.34139	0.41923	0.634216	0.382191	0.561804	0.73527	0.806312	0.647961	0.653739	0.934298	0.987228	0.831108	1.00255
1.0466	0.371475	0.448664	0.678913	0.411001	0.617908	0.79332	0.894809	0.700969	0.71827	0.983548	1.1017	0.891029	1.12213
1.1489	0.407405	0.485478	0.730425	0.444323	0.682224	0.864219	1.04467	0.767785	0.799741	1.14564	1.36285	1.0565	1.36645
1.2612	0.448039	0.528709	0.787206	0.480832	0.752354	0.946628	1.26255	0.846897	0.896377	1.44947	1.79126	1.35011	1.75641
1.3845	0.492102	0.577794	0.848312	0.519503	0.825498	1.03971	1.55538	0.936796	1.00588	1.93281	2.40587	1.79946	2.31167

1.5199	0.537684	0.631244	0.91011	0.558783	0.896814	1.13856	1.91438	1.03298	1.12249	2.59564	3.19882	2.40353	3.02269
1.6685	0.582798	0.686262	0.965434	0.597042	0.959363	1.23164	2.30071	1.12628	1.23526	3.35903	4.10198	3.09734	3.81835
1.8316	0.622804	0.735426	1.00142	0.629794	1.0017	1.29866	2.63765	1.19892	1.32395	4.04437	4.95021	3.73409	4.5463
2.0107	0.649587	0.766926	1.00248	0.649224	1.00949	1.31567	2.83134	1.22754	1.36229	4.44145	5.52001	4.12931	5.01187
2.2072	0.6563	0.771739	0.959567	0.649311	0.972834	1.26869	2.81282	1.19525	1.33073	4.40843	5.62299	4.14941	5.06673
2.423	0.640145	0.747732	0.875598	0.628403	0.892253	1.16181	2.57291	1.10121	1.22748	3.94032	5.20004	3.77319	4.67794
2.6599	0.608134	0.705628	0.769928	0.594516	0.784002	1.02191	2.17724	0.96783	1.07665	3.17801	4.36099	3.11269	3.95854
2.92	0.569763	0.658804	0.665643	0.557182	0.670612	0.882313	1.7349	0.826798	0.913972	2.32379	3.31366	2.35613	3.10919
3.2054	0.535064	0.620644	0.581861	0.525831	0.572103	0.770086	1.34419	0.706202	0.772047	1.54502	2.27129	1.65321	2.29048
3.5188	0.507379	0.594824	0.520728	0.502738	0.493726	0.689754	1.042	0.613964	0.66129	0.930391	1.38143	1.088	1.59304
3.8628	0.487622	0.581357	0.474945	0.48799	0.431215	0.631177	0.81304	0.544968	0.577155	0.493367	0.717681	0.666314	1.02764
4.2405	0.477228	0.578837	0.434725	0.482252	0.378639	0.579718	0.620852	0.489992	0.51023	0.210867	0.291303	0.345244	0.575443
4.6551	0.477503	0.586397	0.397482	0.486314	0.335342	0.530031	0.449905	0.445942	0.457663	0.063955	0.081352	0.135612	0.250706
5.1102	0.492521	0.607681	0.371002	0.504057	0.308045	0.490521	0.317694	0.419034	0.426613	0.010275	0.011956	0.029066	0.069711
5.6098	0.518579	0.63902	0.359245	0.531749	0.299237	0.466926	0.24076	0.41087	0.419851	0.000652	0.000657	0.002928	0.009903
6.1582	0.558498	0.68592	0.373513	0.573014	0.314896	0.472894	0.231338	0.429109	0.445897	0.001025	0.002339	0.002596	0.004324
6.7603	0.608301	0.743241	0.413395	0.624294	0.351546	0.509036	0.27879	0.470029	0.499555	0.013743	0.027638	0.025062	0.024628
7.4212	0.67209	0.81479	0.48571	0.690105	0.409607	0.584426	0.376601	0.53797	0.5809	0.073966	0.136865	0.120615	0.119442
8.1467	0.74337	0.889919	0.580552	0.762903	0.479068	0.690879	0.49491	0.624413	0.674643	0.198549	0.330353	0.282614	0.278255
8.9432	0.812781	0.957932	0.684234	0.831947	0.548865	0.814745	0.606461	0.719356	0.765298	0.357749	0.536615	0.457169	0.431084
9.8175	0.866073	1.00759	0.775783	0.882541	0.604874	0.929303	0.688834	0.805243	0.835085	0.477445	0.643401	0.555305	0.482062
10.777	0.885326	1.02548	0.831404	0.897946	0.632069	0.998385	0.726979	0.857865	0.865891	0.515896	0.631278	0.563152	0.437891
11.831	0.869381	1.01865	0.849936	0.880796	0.629212	1.00755	0.723518	0.8693	0.85952	0.46169	0.526761	0.490222	0.362883
12.988	0.820319	0.98854	0.834531	0.836106	0.598415	0.953591	0.681113	0.835837	0.819422	0.349597	0.39442	0.384884	0.328659
14.257	0.762533	0.955836	0.811947	0.789294	0.55978	0.870263	0.622923	0.782099	0.771363	0.245401	0.299872	0.307224	0.381224
15.651	0.717452	0.932549	0.802336	0.759276	0.532566	0.795164	0.575102	0.734872	0.738061	0.194306	0.275665	0.290094	0.517163
17.181	0.707053	0.933568	0.822906	0.764044	0.536661	0.764053	0.5662	0.723447	0.742798	0.212812	0.324231	0.338161	0.676215
18.861	0.739686	0.966069	0.87719	0.808165	0.579425	0.792906	0.611678	0.762088	0.794809	0.297663	0.437792	0.437516	0.757503
20.705	0.808618	1.02538	0.952295	0.881857	0.653127	0.871773	0.705928	0.844525	0.884244	0.429415	0.582861	0.549803	0.700516
22.729	0.898662	1.1042	1.03108	0.968889	0.737614	0.974342	0.822283	0.949722	0.988156	0.556912	0.711679	0.631704	0.55025
24.951	0.986516	1.18573	1.09416	1.04672	0.805178	1.06176	0.917808	1.04368	1.07349	0.634165	0.786122	0.663561	0.412532
27.391	1.06016	1.26067	1.13859	1.10574	0.842354	1.11222	0.964426	1.10563	1.12354	0.649945	0.800383	0.660784	0.365157
30.068	1.11722	1.3229	1.173	1.14654	0.854416	1.12744	0.965036	1.13376	1.14258	0.630311	0.783511	0.658862	0.438317

33.008	1.16952	1.37612	1.21649	1.1839	0.866809	1.13489	0.956258	1.15078	1.15903	0.621854	0.783063	0.694193	0.624984
36.235	1.23269	1.4287	1.28588	1.23629	0.909281	1.16981	0.984663	1.18903	1.20813	0.66534	0.841927	0.785874	0.864446
39.778	1.32034	1.49111	1.38844	1.31908	1.00312	1.25915	1.08389	1.27617	1.3162	0.782519	0.983379	0.930946	1.05023
43.667	1.44202	1.57528	1.52023	1.4411	1.15402	1.41298	1.26114	1.42611	1.49081	0.968209	1.1989	1.1016	1.11002
47.936	1.60246	1.69323	1.66931	1.60262	1.34858	1.62014	1.48917	1.63328	1.71554	1.18315	1.44167	1.25609	1.06165
52.622	1.80543	1.85711	1.82644	1.79957	1.56306	1.85563	1.71756	1.87737	1.95881	1.37162	1.64438	1.36606	0.994681
57.767	2.05413	2.07529	1.99237	2.02708	1.77793	2.09399	1.9014	2.13427	2.19158	1.49407	1.75648	1.43619	1.01078
63.414	2.34844	2.3463	2.1781	2.28182	1.99071	2.32278	2.03169	2.38865	2.40512	1.55619	1.77868	1.50579	1.18002
69.614	2.68006	2.65304	2.39606	2.56154	2.21786	2.54797	2.14327	2.64135	2.61653	1.60838	1.76337	1.62734	1.51532
76.42	3.02716	2.96107	2.64519	2.85995	2.48074	2.78355	2.29084	2.90249	2.85392	1.71486	1.78062	1.8363	1.94686
83.891	3.35546	3.22688	2.90089	3.1623	2.78634	3.03391	2.51174	3.17613	3.1315	1.91644	1.87429	2.12775	2.33061
92.092	3.62756	3.41499	3.11579	3.4451	3.11216	3.27918	2.79526	3.44518	3.4279	2.20152	2.0304	2.44532	2.52477
101.1	3.82065	3.51835	3.23965	3.68484	3.40844	3.47469	3.07382	3.6692	3.68393	2.49691	2.17554	2.70167	2.49096
110.98	3.94047	3.56434	3.24864	3.87123	3.62198	3.57448	3.25405	3.80299	3.83028	2.70155	2.21343	2.82899	2.31045
121.83	4.02156	3.60128	3.16474	4.01537	3.72842	3.56559	3.2756	3.82657	3.83148	2.75275	2.09508	2.82454	2.12468
133.74	4.10217	3.66392	3.04546	4.13656	3.74624	3.47776	3.15016	3.75967	3.70973	2.67101	1.86538	2.74906	2.04144
146.81	4.18934	3.7417	2.94466	4.23526	3.71448	3.36224	2.94475	3.64115	3.5217	2.53824	1.61889	2.67461	2.07959
161.17	4.23348	3.7671	2.8763	4.26762	3.65519	3.2427	2.72059	3.48958	3.30798	2.42679	1.43295	2.62962	2.17512
176.92	4.13427	3.63818	2.80121	4.14783	3.54911	3.08764	2.4859	3.27617	3.05698	2.34524	1.31236	2.57337	2.20825
194.22	3.78629	3.27304	2.64652	3.78629	3.34131	2.8252	2.19594	2.93193	2.70847	2.23192	1.19889	2.41697	2.07253
213.21	3.15449	2.67308	2.36341	3.15829	2.99516	2.39616	1.80157	2.40751	2.21242	2.00227	1.02542	2.08875	1.74134
234.05	2.32412	1.9456	1.9747	2.3495	2.53661	1.8216	1.31412	1.73297	1.59006	1.62437	0.76414	1.59615	1.26482
256.94	1.50132	1.274	1.5838	1.55307	2.06962	1.24015	0.845802	1.05265	0.970707	1.17236	0.455334	1.05207	0.724986
282.06	0.920294	0.822164	1.31973	0.981927	1.73067	0.814614	0.531567	0.586327	0.548057	0.787441	0.196213	0.629896	0.294846
309.63	0.661565	0.628524	1.25466	0.71343	1.59866	0.623327	0.418441	0.398288	0.378476	0.5695	0.051134	0.413011	0.066021
339.9	0.693416	0.653727	1.40075	0.717341	1.6871	0.641749	0.484531	0.466899	0.440711	0.529949	0.0066	0.391602	0.00678
373.13	0.932243	0.816475	1.69014	0.908585	1.92028	0.796159	0.671528	0.737329	0.681653	0.623719	0.000212	0.510339	7.00E-05
409.61	1.23229	0.992557	1.97229	1.14987	2.14168	0.956388	0.860541	1.09229	0.991323	0.764719	0	0.686362	0
449.66	1.37477	1.03584	2.06479	1.25386	2.1717	0.963407	0.899953	1.30004	1.16627	0.826809	0	0.785396	0
493.62	1.22882	0.880512	1.85432	1.10983	1.90002	0.734354	0.734937	1.21625	1.08378	0.71793	0	0.71331	0
541.88	0.790675	0.546952	1.34933	0.712351	1.33193	0.387836	0.428751	0.811694	0.720933	0.445466	0	0.463663	0
594.85	0.337273	0.227573	0.719333	0.304436	0.677336	0.119563	0.161773	0.358727	0.31779	0.176951	0	0.198644	0
653.01	0.068941	0.045837	0.243939	0.062413	0.210507	0.017878	0.029845	0.075308	0.066627	0.033843	0	0.040804	0

716.85	0.005807	0.003821	0.041001	0.005282	0.032329	0.000703	0.002093	0.006594	0.005802	0.002429	0	0.003439	0
786.93	0	0	0.002351	0	0.001439	0	0	0	0	0	0	0	0
863.87	0	0	0	0	0	0	0	0	0	0	0	0	0
948.32	0	0	0	0	0	0	0	0	0	0	0	0	0
1041	0	0	0	0	0	0	0	0	0	0	0	0	0
1142.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1254.5	0	0	0	0	0	0	0	0	0	0	0	0	0
1377.2	0	0	0	0	0	0	0	0	0	0	0	0	0
1511.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1659.6	0	0	0	0	0	0	0	0	0	0	0	0	0
1821.9	0	0	0	0	0	0	0	0	0	0	0	0	0
2000													

Age (ka)	122.4353	124.7354	127.0356	128.4494	129.2721	130.0949	130.9452	130.9452	131.8365	131.8365	133.1435	134.7274	136.9103
Depth (cm)	176	181	186	191	196	201	206	206	211	211	216	221	226
	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume
Grain size (µm)	%	%	%	%	%	%	%	%	%	%	%	%	%
0.37512	0.19862	0.152065	0.155298	0.197348	0.147647	0.136486	0.099755	0.125854	0.139724	0.139724	0.094505	0.084641	0.086143
0.4118	0.364952	0.278632	0.285309	0.363022	0.271106	0.249829	0.18146	0.229929	0.255968	0.255968	0.170639	0.152384	0.153577
0.45206	0.516091	0.396979	0.405066	0.51074	0.384877	0.355087	0.260018	0.327386	0.363463	0.363463	0.246322	0.221039	0.22478
0.49625	0.680373	0.525488	0.53313	0.671433	0.508203	0.471973	0.350602	0.439271	0.483431	0.483431	0.338625	0.305718	0.316091
0.54477	0.77125	0.596914	0.599437	0.760188	0.575245	0.540862	0.409799	0.512065	0.55549	0.55549	0.406906	0.369733	0.38825
0.59803	0.813507	0.633256	0.624634	0.799353	0.605067	0.578122	0.449098	0.55959	0.596217	0.596217	0.460068	0.421154	0.447393
0.65649	0.810637	0.642571	0.613348	0.788466	0.601435	0.58767	0.47306	0.584178	0.608714	0.608714	0.501976	0.464631	0.497985
0.72068	0.761077	0.625848	0.563695	0.72515	0.562863	0.568885	0.482364	0.585564	0.59228	0.59228	0.534339	0.502449	0.543744
0.79113	0.67597	0.590798	0.482099	0.622633	0.495556	0.527538	0.479403	0.568993	0.553308	0.553308	0.55753	0.534002	0.58029
0.86848	0.600711	0.571677	0.404396	0.527365	0.431952	0.490997	0.480567	0.556789	0.519856	0.519856	0.581855	0.567416	0.609197
0.95338	0.58563	0.611214	0.372456	0.486936	0.41011	0.492575	0.508334	0.575525	0.525067	0.525067	0.622369	0.616099	0.637459
1.0466	0.668502	0.74674	0.416852	0.533502	0.45814	0.557728	0.580439	0.644166	0.593849	0.593849	0.689998	0.690631	0.671767
1.1489	0.880821	1.01106	0.56543	0.694194	0.600461	0.707228	0.71033	0.777537	0.746105	0.746105	0.79256	0.79843	0.718287
1.2612	1.24471	1.42122	0.839131	0.993085	0.853918	0.953721	0.903355	0.983759	0.993887	0.993887	0.931523	0.939806	0.776734

1.3845	1.77971	1.98231	1.25582	1.45753	1.23391	1.30817	1.1626	1.27127	1.34814	1.34814	1.1075	1.1131	0.846296
1.5199	2.48048	2.67711	1.8126	2.08841	1.7375	1.76581	1.48117	1.63511	1.80386	1.80386	1.31362	1.31053	0.923202
1.6685	3.29349	3.45596	2.47459	2.8351	2.33011	2.29248	1.8338	2.04289	2.325	2.325	1.52953	1.51483	1.00149
1.8316	4.0854	4.21026	3.14619	3.56744	2.92106	2.80584	2.16538	2.42311	2.82625	2.82625	1.71552	1.69252	1.06764
2.0107	4.67076	4.78436	3.68344	4.10945	3.37783	3.18938	2.39941	2.68059	3.18911	3.18911	1.8207	1.79843	1.10111
2.2072	4.88347	5.02699	3.94452	4.30809	3.57494	3.33575	2.4672	2.73641	3.30751	3.30751	1.80517	1.79346	1.08277
2.423	4.65388	4.86009	3.85239	4.10202	3.4505	3.19623	2.34097	2.56553	3.13755	3.13755	1.66096	1.66502	1.00473
2.6599	4.05719	4.33263	3.44398	3.5645	3.04778	2.81593	2.05725	2.21851	2.73067	2.73067	1.42393	1.44182	0.880937
2.92	3.27609	3.59677	2.84851	2.86616	2.49063	2.31031	1.69746	1.79508	2.20749	2.20749	1.15548	1.17937	0.737628
3.2054	2.50582	2.82116	2.21641	2.18565	1.91713	1.80556	1.34795	1.39315	1.69515	1.69515	0.913001	0.93374	0.602447
3.5188	1.85605	2.10459	1.64022	1.61515	1.40651	1.36914	1.05175	1.05792	1.259	1.259	0.718948	0.729533	0.486685
3.8628	1.34612	1.48038	1.15089	1.16033	0.979123	1.01158	0.813005	0.788245	0.906578	0.906578	0.567785	0.566126	0.39101
4.2405	0.944399	0.945264	0.747707	0.782226	0.626425	0.714567	0.616827	0.563397	0.618175	0.618175	0.443124	0.433121	0.31308
4.6551	0.627555	0.486422	0.434263	0.455233	0.34593	0.472487	0.458262	0.377764	0.387945	0.387945	0.339296	0.328604	0.254262
5.1102	0.408067	0.177728	0.235363	0.227942	0.168676	0.307844	0.349848	0.247262	0.238931	0.238931	0.265536	0.262762	0.221392
5.6098	0.29089	0.033065	0.14481	0.118178	0.090258	0.228089	0.29736	0.179035	0.174772	0.174772	0.227593	0.239888	0.21448
6.1582	0.275247	0.009335	0.150443	0.117406	0.097117	0.239341	0.310595	0.179935	0.198057	0.198057	0.233935	0.268148	0.238727
6.7603	0.335081	0.026756	0.242133	0.202138	0.182098	0.328796	0.379908	0.246305	0.297704	0.297704	0.279103	0.339944	0.28914
7.4212	0.444039	0.134227	0.428901	0.366175	0.365861	0.486422	0.498306	0.387537	0.460968	0.460968	0.361588	0.445751	0.365499
8.1467	0.544174	0.329228	0.662861	0.530942	0.605421	0.655356	0.631205	0.577401	0.623789	0.623789	0.461592	0.552543	0.452831
8.9432	0.590079	0.537176	0.867541	0.626128	0.829707	0.780064	0.747472	0.769151	0.728571	0.728571	0.557952	0.632562	0.536861
9.8175	0.57689	0.648728	0.966795	0.638105	0.963843	0.833642	0.826619	0.899499	0.751705	0.751705	0.628016	0.672514	0.603907
10.777	0.534517	0.645695	0.925729	0.60329	0.965145	0.828916	0.864261	0.921148	0.712181	0.712181	0.655313	0.677811	0.645704
11.831	0.513065	0.565648	0.780671	0.583386	0.849481	0.817973	0.88111	0.834677	0.665339	0.665339	0.645935	0.675437	0.671693
12.988	0.531784	0.477351	0.607497	0.604783	0.675739	0.829238	0.883246	0.682866	0.645451	0.645451	0.612501	0.678195	0.68699
14.257	0.588292	0.443592	0.489445	0.667048	0.529792	0.875119	0.880859	0.543869	0.669528	0.669528	0.583527	0.696019	0.706898
15.651	0.647587	0.489439	0.466856	0.732574	0.468747	0.927964	0.870169	0.476366	0.71986	0.71986	0.579499	0.720592	0.736129
17.181	0.67293	0.602766	0.547099	0.766111	0.516325	0.953923	0.858189	0.506049	0.769336	0.769336	0.613949	0.747843	0.782393
18.861	0.655137	0.740821	0.711086	0.763891	0.667152	0.940721	0.861479	0.62732	0.800008	0.800008	0.684558	0.779459	0.847748
20.705	0.619762	0.842411	0.906737	0.755462	0.878982	0.90733	0.895676	0.799478	0.814576	0.814576	0.773582	0.822099	0.928995
22.729	0.611488	0.870817	1.07394	0.783531	1.074	0.899361	0.972235	0.953691	0.838096	0.838096	0.85659	0.884353	1.02026
24.951	0.658918	0.82847	1.1778	0.865794	1.18068	0.94918	1.07791	1.03264	0.891239	0.891239	0.912825	0.961448	1.1085
27.391	0.764262	0.750904	1.22825	0.988438	1.18493	1.06216	1.1849	1.03467	0.98084	0.98084	0.94247	1.04145	1.18584

30.068	0.896877	0.680923	1.25836	1.10492	1.13133	1.20613	1.2567	1.00656	1.09037	1.09037	0.961925	1.10596	1.24727
33.008	1.00403	0.658558	1.30282	1.16498	1.09645	1.32186	1.27556	1.01394	1.1886	1.1886	0.998737	1.14784	1.29991
36.235	1.04316	0.712552	1.37547	1.15398	1.14517	1.35661	1.25757	1.10342	1.24685	1.24685	1.07429	1.17834	1.35831
39.778	1.01494	0.862101	1.46728	1.11252	1.3065	1.30471	1.25047	1.28563	1.26134	1.26134	1.19646	1.22798	1.44226
43.667	0.969085	1.1122	1.55685	1.11606	1.56253	1.22222	1.31312	1.52761	1.26218	1.26218	1.35697	1.3358	1.57164
47.936	0.977256	1.43224	1.63205	1.23758	1.84223	1.1989	1.49073	1.75934	1.30303	1.30303	1.53515	1.53359	1.75901
52.622	1.09932	1.75372	1.7099	1.51779	2.05521	1.31525	1.79482	1.9172	1.43856	1.43856	1.71471	1.83279	2.00719
57.767	1.35993	1.98692	1.83083	1.94106	2.14763	1.61129	2.18817	1.98902	1.70068	1.70068	1.89638	2.21376	2.30642
63.414	1.72847	2.06967	2.03614	2.41938	2.14404	2.06184	2.58804	2.03	2.07966	2.07966	2.10232	2.62828	2.6377
69.614	2.10746	2.01419	2.33601	2.81992	2.13769	2.55443	2.90369	2.13316	2.5103	2.5103	2.36657	3.01917	2.98032
76.42	2.37144	1.90971	2.6836	3.03973	2.23212	2.92951	3.08802	2.37482	2.88968	2.88968	2.71265	3.34684	3.31723
83.891	2.43877	1.86948	2.98169	3.06448	2.48254	3.07437	3.1632	2.77153	3.12743	3.12743	3.13414	3.6062	3.63917
92.092	2.32591	1.97029	3.129	2.97416	2.86191	3.00329	3.20734	3.25567	3.20023	3.20023	3.58837	3.8262	3.94798
101.1	2.13849	2.20248	3.08887	2.88571	3.25071	2.84703	3.29797	3.68955	3.16848	3.16848	4.00818	4.04256	4.25316
110.98	2.0014	2.4705	2.92425	2.87612	3.4977	2.76392	3.47	3.94676	3.13669	3.13669	4.33745	4.27509	4.56702
121.83	1.98868	2.63964	2.74492	2.93844	3.52243	2.84515	3.69128	3.99084	3.18692	3.18692	4.55886	4.50329	4.88359
133.74	2.08776	2.61668	2.62958	2.97269	3.34927	3.06038	3.86375	3.87752	3.3219	3.3219	4.67827	4.65405	5.14444
146.81	2.20584	2.42327	2.5731	2.83922	3.08142	3.27206	3.87961	3.69941	3.45358	3.45358	4.70413	4.63345	5.23722
161.17	2.21081	2.14536	2.47965	2.44695	2.79571	3.29003	3.65491	3.4877	3.43268	3.43268	4.60054	4.34793	5.01832
176.92	2.00875	1.84473	2.23867	1.82716	2.48661	2.98959	3.17295	3.19851	3.13336	3.13336	4.29385	3.7622	4.39425
194.22	1.60588	1.54198	1.80259	1.12645	2.11249	2.39622	2.50282	2.75686	2.5383	2.5383	3.7274	2.94105	3.41763
213.21	1.10251	1.20129	1.21873	0.520807	1.62505	1.64541	1.74273	2.11585	1.75226	1.75226	2.9011	2.00781	2.28294
234.05	0.634833	0.750268	0.624442	0.161029	0.983073	0.876072	0.961193	1.3345	0.925443	0.925443	1.91201	1.07678	1.18281
256.94	0.317804	0.330913	0.211137	0.025334	0.416367	0.324835	0.373459	0.614037	0.335284	0.335284	0.952349	0.403504	0.429864
282.06	0.168052	0.070924	0.036093	0.001513	0.086302	0.060809	0.073028	0.176216	0.060953	0.060953	0.312807	0.076436	0.079225
309.63	0.138562	0.006489	0.002229	0	0.007595	0.004693	0.005922	0.024813	0.004491	0.004491	0.051496	0.005922	0.006126
339.9	0.182997	0	0	0	0	0	0	0.001071	0	0	0.003064	0	0
373.13	0.267643	0	0	0	0	0	0	0	0	0	0	0	0
409.61	0.341048	0	0	0	0	0	0	0	0	0	0	0	0
449.66	0.359013	0	0	0	0	0	0	0	0	0	0	0	0
493.62	0.309629	0	0	0	0	0	0	0	0	0	0	0	0
541.88	0.196486	0	0	0	0	0	0	0	0	0	0	0	0
594.85	0.083281	0	0	0	0	0	0	0	0	0	0	0	0



653.01	0.017008	0	0	0	0	0	0	0	0	0	0	0	0
716.85	0.001401	0	0	0	0	0	0	0	0	0	0	0	0
786.93	0	0	0	0	0	0	0	0	0	0	0	0	0
863.87	0	0	0	0	0	0	0	0	0	0	0	0	0
948.32	0	0	0	0	0	0	0	0	0	0	0	0	0
1041	0	0	0	0	0	0	0	0	0	0	0	0	0
1142.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1254.5	0	0	0	0	0	0	0	0	0	0	0	0	0
1377.2	0	0	0	0	0	0	0	0	0	0	0	0	0
1511.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1659.6	0	0	0	0	0	0	0	0	0	0	0	0	0
1821.9	0	0	0	0	0	0	0	0	0	0	0	0	0
2000													

Age (ka)	139.4924	142.0744	144.6565	147.2386	149.8206	152.4027	154.9848	157.5669	157.5669	160.1489	162.731	165.3131	167.8952
Depth (cm)	231	236	241	246	251	256	261	266	266	271	276	281	286
	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume
Grain size (µm)	%	%	%	%	%	%	%	%	%	%	%	%	%
0.37512	0.052405	0.034678	0.065291	0.035859	0.147892	0.084566	0.055865	0.040386	0.041758	0.028368	0.095966	0.137127	0.117464
0.4118	0.093264	0.061572	0.115856	0.063622	0.26143	0.151207	0.099396	0.071688	0.074089	0.050321	0.171189	0.244888	0.209459
0.45206	0.137044	0.090896	0.172388	0.094371	0.367559	0.219138	0.146833	0.105926	0.109567	0.074465	0.250689	0.354954	0.303756
0.49625	0.194162	0.13012	0.251539	0.136383	0.514588	0.315072	0.210717	0.151952	0.15747	0.106973	0.355317	0.49991	0.430201
0.54477	0.241115	0.163759	0.326791	0.173881	0.65235	0.412028	0.267522	0.191881	0.199435	0.135122	0.443823	0.623717	0.542636
0.59803	0.281667	0.194123	0.401837	0.209058	0.780632	0.514538	0.321088	0.228308	0.238137	0.160664	0.521843	0.7335	0.646471
0.65649	0.318855	0.223056	0.479334	0.243514	0.89281	0.622192	0.374462	0.263297	0.275774	0.185091	0.592612	0.831326	0.742995
0.72068	0.355369	0.252667	0.562392	0.279288	0.998247	0.737638	0.430342	0.299172	0.314817	0.210029	0.659117	0.921782	0.836264
0.79113	0.388497	0.280794	0.646885	0.313565	1.11615	0.866744	0.486108	0.333285	0.35256	0.23334	0.717199	1.00477	0.927391
0.86848	0.418832	0.306954	0.730042	0.344887	1.26125	1.01653	0.541794	0.36485	0.388129	0.254053	0.767229	1.0856	1.02062
0.95338	0.450191	0.332456	0.809855	0.373054	1.43594	1.18831	0.599648	0.394948	0.422538	0.272844	0.812777	1.17033	1.11928
1.0466	0.486248	0.358772	0.882249	0.397797	1.63089	1.37365	0.660639	0.424672	0.456768	0.290476	0.854613	1.25871	1.22025
1.1489	0.53015	0.387428	0.942541	0.418909	1.84129	1.56128	0.724685	0.45502	0.491564	0.307741	0.893216	1.35069	1.32048

1.2612	0.580625	0.41706	0.983561	0.433905	2.07037	1.74163	0.787956	0.484033	0.524535	0.323178	0.925686	1.44434	1.41645
1.3845	0.63594	0.446366	1.00029	0.441174	2.31925	1.90639	0.846706	0.510014	0.55348	0.33599	0.951218	1.53914	1.50604
1.5199	0.692793	0.473472	0.988378	0.439448	2.55467	2.03595	0.896133	0.530886	0.575889	0.345757	0.966434	1.6235	1.57719
1.6685	0.747363	0.497342	0.945238	0.429001	2.70187	2.09435	0.930858	0.545457	0.590223	0.353001	0.963681	1.67092	1.60434
1.8316	0.791627	0.515483	0.869234	0.40981	2.67545	2.04107	0.942665	0.551116	0.593553	0.357405	0.930041	1.6462	1.55588
2.0107	0.813379	0.523202	0.762235	0.381237	2.42986	1.85425	0.921918	0.543545	0.581296	0.356875	0.85395	1.52392	1.41255
2.2072	0.801739	0.516559	0.634144	0.344407	1.99693	1.55216	0.863805	0.519869	0.550655	0.350866	0.737426	1.30941	1.18621
2.423	0.752671	0.493766	0.501738	0.302255	1.47464	1.19169	0.772525	0.480311	0.502538	0.34006	0.598235	1.04046	0.918855
2.6599	0.676357	0.46026	0.386624	0.261807	0.990915	0.850957	0.665114	0.432193	0.445576	0.329489	0.467065	0.777051	0.670302
2.92	0.589056	0.42269	0.302653	0.228359	0.65326	0.596375	0.561393	0.383934	0.389691	0.32269	0.369277	0.573212	0.489682
3.2054	0.508143	0.388721	0.253782	0.205436	0.494382	0.453917	0.477269	0.343605	0.34395	0.322975	0.317536	0.454657	0.396499
3.5188	0.440429	0.360959	0.231421	0.191859	0.483264	0.404613	0.414854	0.313145	0.31048	0.330637	0.306576	0.409755	0.376451
3.8628	0.38708	0.340437	0.223235	0.185356	0.548155	0.403667	0.368808	0.291767	0.28796	0.345741	0.322819	0.403268	0.395326
4.2405	0.34726	0.328401	0.218446	0.1847	0.587598	0.397771	0.333036	0.278533	0.274754	0.369177	0.349463	0.390794	0.40881
4.6551	0.321211	0.325243	0.21297	0.189114	0.522429	0.354906	0.306133	0.272876	0.269833	0.399404	0.3756	0.346041	0.388743
5.1102	0.313509	0.334394	0.211834	0.20083	0.376527	0.289367	0.2936	0.277775	0.276085	0.437058	0.40324	0.28211	0.345358
5.6098	0.322662	0.352867	0.218077	0.217825	0.24333	0.237461	0.296843	0.29156	0.291887	0.47727	0.43804	0.229535	0.307008
6.1582	0.353121	0.383859	0.238504	0.242027	0.19232	0.232333	0.321102	0.31693	0.319499	0.522017	0.49144	0.218243	0.30279
6.7603	0.399453	0.423417	0.270587	0.270303	0.232697	0.280562	0.361844	0.349669	0.353828	0.566772	0.55741	0.252026	0.333268
7.4212	0.461766	0.47392	0.315112	0.30446	0.365465	0.379656	0.418403	0.390167	0.394382	0.611441	0.625236	0.328146	0.389485
8.1467	0.52829	0.528707	0.363706	0.340926	0.547559	0.497593	0.480333	0.432271	0.435262	0.648012	0.669331	0.417262	0.442351
8.9432	0.589735	0.582876	0.410747	0.378616	0.70813	0.594866	0.538684	0.472894	0.474862	0.67192	0.675859	0.488491	0.473458
9.8175	0.639808	0.632712	0.45249	0.416826	0.788579	0.638719	0.584376	0.510606	0.513272	0.684102	0.651072	0.523966	0.484286
10.777	0.675481	0.67443	0.487123	0.454453	0.771852	0.61697	0.608908	0.543445	0.548631	0.68797	0.614388	0.528224	0.489351
11.831	0.708347	0.71445	0.522584	0.49519	0.686073	0.548517	0.615474	0.575206	0.582251	0.696365	0.597707	0.531192	0.515968
12.988	0.739692	0.749532	0.558697	0.535478	0.576728	0.464913	0.605835	0.600727	0.606072	0.71023	0.609434	0.551093	0.568799
14.257	0.777353	0.785782	0.600703	0.578333	0.497301	0.405427	0.595708	0.622618	0.621944	0.735271	0.65064	0.600127	0.644349
15.651	0.815861	0.820932	0.644296	0.621211	0.478482	0.394104	0.59808	0.640048	0.63233	0.766171	0.701062	0.664525	0.715556
17.181	0.855789	0.862991	0.691927	0.671186	0.528631	0.440501	0.629757	0.663847	0.653833	0.806052	0.745552	0.725083	0.760327
18.861	0.898913	0.918999	0.746814	0.733651	0.636372	0.537026	0.696805	0.704315	0.700306	0.857533	0.780377	0.769091	0.774988
20.705	0.949614	0.994547	0.814303	0.814147	0.7655	0.656783	0.792871	0.768173	0.778116	0.924065	0.814584	0.800429	0.776871
22.729	1.01558	1.09177	0.899487	0.913821	0.871337	0.761084	0.898813	0.853708	0.879854	1.00718	0.86525	0.840052	0.796922
24.951	1.09557	1.20039	0.998292	1.02451	0.922594	0.819748	0.9875	0.944711	0.981563	1.09682	0.936249	0.904466	0.85438

27.391	1.18571	1.3097	1.1033	1.13751	0.924615	0.832444	1.04464	1.02376	1.06133	1.18229	1.02035	0.99838	0.951487
30.068	1.27352	1.40597	1.20088	1.24137	0.912295	0.826631	1.07334	1.07595	1.10687	1.24981	1.09693	1.10618	1.06743
33.008	1.34966	1.48711	1.28372	1.33428	0.932047	0.845213	1.09933	1.10483	1.13108	1.29807	1.149	1.20322	1.17071
36.235	1.41204	1.56187	1.35346	1.42211	1.01688	0.922915	1.15462	1.12975	1.16314	1.33853	1.1763	1.27117	1.23729
39.778	1.47329	1.65079	1.42601	1.52127	1.17512	1.07504	1.26545	1.18088	1.23725	1.39496	1.20143	1.31632	1.27041
43.667	1.56033	1.78057	1.52782	1.65447	1.38344	1.28873	1.44204	1.2885	1.38033	1.49743	1.26206	1.37236	1.30383
47.936	1.70582	1.97394	1.68669	1.84344	1.5926	1.52254	1.67208	1.47011	1.5992	1.66872	1.3942	1.48683	1.38761
52.622	1.93681	2.24229	1.92171	2.10257	1.75664	1.72936	1.92889	1.72418	1.87894	1.91658	1.61573	1.70121	1.56615
57.767	2.26058	2.57797	2.23246	2.43119	1.86346	1.88582	2.18589	2.02693	2.18696	2.22601	1.91413	2.03015	1.85692
63.414	2.65685	2.95488	2.59692	2.81343	1.94873	2.01352	2.43643	2.34273	2.49007	2.56146	2.24444	2.4475	2.23577
69.614	3.07952	3.33692	2.97723	3.2226	2.07704	2.17111	2.70283	2.64531	2.77688	2.88378	2.54577	2.88703	2.63501
76.42	3.47245	3.69034	3.33434	3.62957	2.30241	2.41938	3.02284	2.93339	3.06454	3.16917	2.77293	3.26903	2.97071
83.891	3.79725	3.9989	3.64944	4.01836	2.63635	2.7883	3.42717	3.23466	3.38848	3.41887	2.92028	3.53807	3.18694
92.092	4.05775	4.27279	3.93818	4.3974	3.03222	3.25635	3.9192	3.59919	3.78912	3.66617	3.02217	3.69075	3.28956
101.1	4.30372	4.54308	4.25246	4.80548	3.40683	3.75829	4.46059	4.07379	4.28623	3.95987	3.12803	3.77156	3.34328
110.98	4.60704	4.84873	4.65971	5.29731	3.69596	4.23174	4.99209	4.68842	4.8742	4.35022	3.27116	3.83807	3.43098
121.83	5.0015	5.19404	5.18003	5.87979	3.88422	4.64167	5.44597	5.41981	5.51469	4.87239	3.45092	3.93373	3.60476
133.74	5.42575	5.51219	5.73235	6.45889	3.98493	4.96411	5.74905	6.15466	6.10576	5.48133	3.6299	4.04963	3.84474
146.81	5.70365	5.66045	6.10374	6.80616	3.98484	5.145	5.83294	6.70127	6.50474	6.04936	3.75157	4.12977	4.05411
161.17	5.59669	5.45407	6.01513	6.63096	3.81023	5.06322	5.60594	6.80992	6.5263	6.34622	3.75813	4.08722	4.08775
176.92	4.95004	4.78356	5.29683	5.77113	3.37371	4.59658	5.00494	6.30006	6.01817	6.12141	3.60993	3.83018	3.82068
194.22	3.8212	3.7088	4.02587	4.32959	2.65946	3.7259	4.0545	5.1865	4.98747	5.2814	3.29739	3.32282	3.22104
213.21	2.47731	2.44391	2.52507	2.66507	1.77655	2.58242	2.85989	3.6669	3.59396	3.94636	2.8521	2.60476	2.38102
234.05	1.22536	1.23993	1.19073	1.22681	0.904501	1.37517	1.57107	2.00334	2.01512	2.37008	2.35035	1.76539	1.49394
256.94	0.415415	0.431572	0.375555	0.372497	0.312897	0.501513	0.593865	0.754163	0.790634	1.04202	1.89876	0.929337	0.810227
282.06	0.071767	0.076435	0.060441	0.057675	0.054719	0.092076	0.112673	0.142527	0.154802	0.272321	1.58961	0.331455	0.453542
309.63	0.004965	0.005368	0.003672	0.003228	0.003771	0.006762	0.008542	0.021992	0.012741	0.035227	1.4611	0.059781	0.385138
339.9	0	0	0	0	0	0	0	0.023377	0	0.000984	1.48959	0.004078	0.532674
373.13	0	0	0	0	0	0	0	0.109132	0	0	1.58636	0	0.816865
409.61	0	0	0	0	0	0	0	0.241539	0	0	1.61849	0	1.06952
449.66	0	0	0	0	0	0	0	0.342836	0	0	1.47111	0	1.1138
493.62	0	0	0	0	0	0	0	0.345698	0	0	1.12077	0	0.909443
541.88	0	0	0	0	0	0	0	0.264993	0	0	0.638266	0	0.534441

594.85	0	0	0	0	0	0	0	0.144583	0	0	0.243785	0	0.204894
653.01	0	0	0	0	0	0	0	0.050022	0	0	0.046004	0	0.038435
716.85	0	0	0	0	0	0	0	0.008437	0	0	0.003461	0	0.002786
786.93	0	0	0	0	0	0	0	0.000543	0	0	0	0	0
863.87	0	0	0	0	0	0	0	0	0	0	0	0	0
948.32	0	0	0	0	0	0	0	0	0	0	0	0	0
1041	0	0	0	0	0	0	0	0	0	0	0	0	0
1142.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1254.5	0	0	0	0	0	0	0	0	0	0	0	0	0
1377.2	0	0	0	0	0	0	0	0	0	0	0	0	0
1511.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1659.6	0	0	0	0	0	0	0	0	0	0	0	0	0
1821.9	0	0	0	0	0	0	0	0	0	0	0	0	0
2000													

Age (ka)	170.4772	173.0593	175.6414	175.6414	178.2235	180.8055	183.3876	185.9697	188.5517	190.7648	192.9778	194.8825	196.7873
Depth (cm)	291	296	301	301	306	311	316	321	326	331	336	341	346
	Volume	Volume	%	%	%	Volume	Volume	Volume	Volume	Volume	Volume	%	Volume
Grain size (µm)	%	%				%	%	%	%	%	%		%
0.37512	0.096079	0.146748	0.100773	0.111096	0.116168	0.082342	0.050478	0.073669	0.081	0.081988	0.079788	0.105586	0.092058
0.4118	0.172831	0.262655	0.180862	0.199403	0.208331	0.147579	0.089871	0.131521	0.144293	0.146102	0.142	0.188474	0.163929
0.45206	0.249324	0.369873	0.258205	0.285024	0.297744	0.213646	0.132932	0.192607	0.212141	0.214536	0.208867	0.275017	0.240907
0.49625	0.347746	0.508712	0.36004	0.396997	0.415143	0.301484	0.191826	0.272953	0.301903	0.305253	0.298199	0.390213	0.343303
0.54477	0.430842	0.62491	0.449759	0.49373	0.517126	0.380121	0.246207	0.341404	0.378322	0.383061	0.375791	0.491272	0.431369
0.59803	0.504824	0.723399	0.532699	0.58124	0.609564	0.454771	0.299491	0.402666	0.446359	0.452975	0.446389	0.584323	0.510597
0.65649	0.571168	0.800466	0.608007	0.658736	0.69143	0.526802	0.354163	0.459555	0.509309	0.518185	0.51319	0.672232	0.584478
0.72068	0.631179	0.862151	0.678553	0.729394	0.766259	0.598517	0.412386	0.514415	0.569999	0.581701	0.57932	0.758383	0.656439
0.79113	0.687575	0.923157	0.751415	0.799913	0.841065	0.672238	0.472047	0.564783	0.623976	0.639779	0.640716	0.841276	0.721614
0.86848	0.748398	1.0022	0.837871	0.881809	0.927325	0.754279	0.533159	0.611943	0.67072	0.692504	0.696835	0.923906	0.779415
0.95338	0.822115	1.1118	0.9459	0.98347	1.03303	0.850281	0.597014	0.659645	0.712934	0.742756	0.749813	1.01066	0.832368
1.0466	0.910397	1.25381	1.07473	1.10446	1.1572	0.959541	0.662726	0.709095	0.751423	0.791299	0.799762	1.10074	0.880693

1.1489	1.01299	1.43062	1.22133	1.24298	1.29765	1.0788	0.72781	0.760796	0.786722	0.838629	0.846308	1.19206	0.924109
1.2612	1.12813	1.64794	1.38334	1.39767	1.45303	1.20363	0.787138	0.812184	0.815846	0.881768	0.885773	1.2799	0.958658
1.3845	1.25504	1.91025	1.55929	1.56808	1.62305	1.33055	0.836584	0.861746	0.837688	0.919066	0.916126	1.36124	0.982528
1.5199	1.38478	2.19356	1.73311	1.73809	1.79093	1.44794	0.871283	0.905322	0.84983	0.946625	0.933742	1.42716	0.992169
1.6685	1.4927	2.4342	1.86481	1.86718	1.91467	1.53065	0.884965	0.934637	0.847885	0.957986	0.933012	1.45961	0.981471
1.8316	1.54109	2.54656	1.90007	1.90036	1.93802	1.5448	0.868941	0.9366	0.823762	0.942989	0.905178	1.4337	0.940319
2.0107	1.49584	2.4665	1.79863	1.79616	1.81998	1.46477	0.816011	0.898385	0.76936	0.891972	0.842862	1.33072	0.860295
2.2072	1.3518	2.19053	1.56294	1.55655	1.5652	1.29228	0.727667	0.817457	0.684949	0.804259	0.74792	1.15459	0.744302
2.423	1.13936	1.78037	1.24241	1.23141	1.22702	1.06007	0.61627	0.705072	0.581434	0.690704	0.633015	0.934845	0.608427
2.6599	0.916273	1.34321	0.917875	0.902465	0.889755	0.823207	0.504448	0.586104	0.480462	0.574038	0.521005	0.720193	0.480113
2.92	0.736968	0.987413	0.664609	0.645421	0.630451	0.6334	0.412555	0.484772	0.400675	0.475442	0.431811	0.553851	0.382239
3.2054	0.632537	0.772571	0.520172	0.496096	0.484571	0.519378	0.352894	0.416723	0.352685	0.408158	0.3771	0.457843	0.326423
3.5188	0.60058	0.687062	0.474145	0.441887	0.438937	0.475543	0.323139	0.380267	0.332199	0.369031	0.352913	0.423796	0.307119
3.8628	0.619397	0.66784	0.486767	0.441512	0.450969	0.4734	0.31333	0.364295	0.32836	0.346745	0.346921	0.426095	0.310309
4.2405	0.660293	0.630122	0.501973	0.441638	0.463761	0.473451	0.311136	0.354976	0.328892	0.328726	0.343928	0.431773	0.318996
4.6551	0.704341	0.522615	0.47812	0.407415	0.436483	0.449228	0.308922	0.345537	0.328295	0.310173	0.335563	0.420782	0.322784
5.1102	0.75295	0.379021	0.418317	0.346139	0.374269	0.406319	0.309061	0.340659	0.331296	0.297578	0.32644	0.399355	0.324755
5.6098	0.816356	0.269574	0.353149	0.288251	0.311502	0.36659	0.314443	0.345619	0.341322	0.296687	0.322428	0.383422	0.330468
6.1582	0.910492	0.241279	0.316147	0.266041	0.285819	0.355464	0.332555	0.370963	0.366856	0.318398	0.333618	0.391885	0.34961
6.7603	1.02113	0.288367	0.307192	0.284426	0.304812	0.37251	0.359278	0.414177	0.404473	0.361044	0.355981	0.419122	0.377148
7.4212	1.12014	0.386298	0.317519	0.34436	0.367472	0.409234	0.391974	0.47383	0.455532	0.424363	0.387045	0.455731	0.408665
8.1467	1.1585	0.471272	0.327115	0.427293	0.449808	0.442082	0.420183	0.534612	0.510754	0.492557	0.415778	0.481424	0.432139
8.9432	1.11063	0.493148	0.332984	0.515382	0.526854	0.45945	0.440341	0.583628	0.564887	0.550685	0.439711	0.492971	0.446375
9.8175	0.99131	0.457969	0.349407	0.58778	0.576635	0.467091	0.456308	0.61215	0.613242	0.587814	0.464032	0.503978	0.460234
10.777	0.843261	0.410117	0.390063	0.623527	0.585413	0.477957	0.473777	0.616348	0.649299	0.600724	0.494877	0.529728	0.4836
11.831	0.728813	0.405513	0.470869	0.616936	0.561185	0.512173	0.5049	0.609483	0.67662	0.60593	0.543856	0.588723	0.530058
12.988	0.673972	0.461588	0.577912	0.571551	0.518517	0.566741	0.547126	0.600222	0.690661	0.613682	0.604726	0.670345	0.592419
14.257	0.688033	0.573906	0.688014	0.519573	0.487889	0.633514	0.598812	0.605553	0.701482	0.639464	0.672455	0.759343	0.661982
15.651	0.748436	0.696794	0.761587	0.496187	0.493008	0.689932	0.647637	0.631088	0.71609	0.682737	0.731475	0.82679	0.718861
17.181	0.826465	0.778335	0.781458	0.532214	0.549001	0.728538	0.690728	0.680463	0.751485	0.741512	0.780866	0.86674	0.759931
18.861	0.898051	0.796912	0.762097	0.637856	0.65346	0.759129	0.731216	0.749088	0.819508	0.809808	0.829108	0.895479	0.795574
20.705	0.955494	0.774029	0.738917	0.795661	0.782079	0.801089	0.777408	0.826166	0.921375	0.881771	0.890785	0.939522	0.84418
22.729	1.01278	0.757849	0.75198	0.959293	0.897221	0.872483	0.838426	0.901991	1.04672	0.957016	0.97908	1.0226	0.922551

24.951	1.08352	0.783922	0.819302	1.07381	0.966511	0.969703	0.912451	0.967845	1.16902	1.03236	1.09105	1.14156	1.02836
27.391	1.17718	0.862599	0.934833	1.11702	0.988374	1.07344	0.99299	1.02622	1.26652	1.10777	1.21518	1.2741	1.14697
30.068	1.2886	0.974626	1.06475	1.11178	0.990765	1.15344	1.06713	1.08417	1.32817	1.17992	1.33098	1.38296	1.25235
33.008	1.40536	1.08214	1.16476	1.11494	1.01851	1.19327	1.12895	1.1541	1.36766	1.24958	1.42768	1.44419	1.32846
36.235	1.51497	1.15215	1.20694	1.18257	1.10711	1.2043	1.18309	1.24453	1.41538	1.32149	1.51049	1.46463	1.37974
39.778	1.61629	1.18164	1.20367	1.3453	1.2675	1.22517	1.24671	1.35783	1.50613	1.40686	1.60305	1.48387	1.43413
43.667	1.72295	1.20256	1.20706	1.59473	1.4774	1.30474	1.3443	1.49022	1.66607	1.52174	1.73932	1.5571	1.53281
47.936	1.85958	1.26602	1.28469	1.87709	1.6848	1.48017	1.4975	1.63546	1.89992	1.68086	1.94884	1.73001	1.71235
52.622	2.05189	1.41702	1.4904	2.11822	1.8381	1.75838	1.71653	1.79324	2.18751	1.89204	2.24432	2.01692	1.98894
57.767	2.31323	1.67232	1.8386	2.26719	1.92128	2.10492	1.99353	1.97236	2.48941	2.14969	2.61196	2.38673	2.34663
63.414	2.63605	2.00634	2.28298	2.3328	1.9714	2.4495	2.30303	2.18845	2.76366	2.43376	3.01182	2.76457	2.7367
69.614	2.9873	2.34912	2.71643	2.38187	2.06069	2.71874	2.6122	2.4549	2.98791	2.71523	3.39188	3.06263	3.0959
76.42	3.31509	2.61507	3.02011	2.49759	2.25478	2.87857	2.89621	2.77033	3.1692	2.96686	3.71021	3.22848	3.3769
83.891	3.56921	2.74883	3.13456	2.73018	2.57451	2.95421	3.15012	3.11177	3.33602	3.17463	3.95237	3.27513	3.57178
92.092	3.72386	2.75912	3.10221	3.06204	2.97247	3.01503	3.39104	3.43875	3.51817	3.34395	4.13372	3.27277	3.71258
101.1	3.79315	2.71349	3.04246	3.40156	3.34362	3.13166	3.64942	3.71231	3.72504	3.49683	4.28302	3.30273	3.84659
110.98	3.82306	2.69614	3.07636	3.62873	3.58488	3.33841	3.95406	3.91825	3.93969	3.6619	4.4213	3.41125	4.00497
121.83	3.84831	2.76081	3.2587	3.67311	3.66406	3.61578	4.31554	4.07806	4.12816	3.85997	4.5471	3.58655	4.18359
133.74	3.85606	2.89846	3.54131	3.55977	3.63231	3.89308	4.7042	4.227	4.24987	4.08144	4.6277	3.76126	4.33831
146.81	3.76693	3.03916	3.78767	3.37815	3.56899	4.07763	5.0397	4.37919	4.26805	4.27564	4.60944	3.84714	4.40282
161.17	3.46746	3.0776	3.8355	3.1999	3.5055	4.08148	5.19402	4.49205	4.14112	4.34771	4.4263	3.76603	4.30568
176.92	2.89767	2.92815	3.59117	3.0231	3.39247	3.84979	5.03274	4.46548	3.82609	4.18955	4.02325	3.4761	3.99313
194.22	2.11279	2.5738	3.08194	2.77631	3.13154	3.3765	4.47948	4.18639	3.30003	3.73594	3.3842	2.97771	3.44546
213.21	1.27773	2.07624	2.43461	2.38278	2.65677	2.71252	3.57725	3.59808	2.59099	3.01491	2.55216	2.30897	2.69288
234.05	0.583219	1.55417	1.80645	1.84304	2.01283	1.97012	2.50264	2.75852	1.80694	2.16724	1.6372	1.54654	1.82464
256.94	0.177754	1.13047	1.31634	1.27861	1.37005	1.30908	1.52385	1.85081	1.12911	1.41222	0.800378	0.800356	0.995148
282.06	0.027773	0.872289	1.01279	0.852512	0.908022	0.859371	0.870602	1.10578	0.696444	0.915291	0.262678	0.298831	0.436979
309.63	0.001608	0.785019	0.880298	0.646602	0.697609	0.657048	0.580441	0.664034	0.530365	0.709804	0.043568	0.098332	0.202788
339.9	0	0.824572	0.872463	0.643347	0.703226	0.657788	0.568766	0.506647	0.568277	0.731614	0.002743	0.094173	0.205643
373.13	0	0.919577	0.923616	0.767437	0.836208	0.782045	0.724267	0.538358	0.722254	0.877234	0	0.222185	0.3792
409.61	0	0.975994	0.953935	0.896116	0.962947	0.910293	0.905846	0.648876	0.859054	1.00164	0	0.448885	0.65645
449.66	0	0.912855	0.896235	0.889021	0.940909	0.909883	0.945586	0.696446	0.83975	0.962188	0	0.59305	0.83534
493.62	0	0.708522	0.724848	0.693049	0.718865	0.724545	0.778619	0.586397	0.631519	0.728013	0	0.533294	0.770104

541.88	0	0.448837	0.46838	0.385746	0.390229	0.41494	0.461271	0.346935	0.334909	0.394835	0	0.322285	0.486753
594.85	0	0.22648	0.218905	0.136209	0.131863	0.152261	0.179598	0.129873	0.109923	0.136398	0	0.118834	0.193415
653.01	0	0.115325	0.062467	0.023649	0.02187	0.027385	0.034194	0.023638	0.017723	0.023264	0	0.021147	0.036882
716.85	0	0.083445	0.008801	0.001463	0.001215	0.001802	0.002582	0.001569	0.000924	0.001404	0	0.001281	0.002643
786.93	0	0.078292	0.000345	0	0	0	0	0	0	0	0	0	0
863.87	0	0.060869	0	0	0	0	0	0	0	0	0	0	0
948.32	0	0.019862	0	0	0	0	0	0	0	0	0	0	0
1041	0	0.002856	0	0	0	0	0	0	0	0	0	0	0
1142.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1254.5	0	0	0	0	0	0	0	0	0	0	0	0	0
1377.2	0	0	0	0	0	0	0	0	0	0	0	0	0
1511.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1659.6	0	0	0	0	0	0	0	0	0	0	0	0	0
1821.9	0	0	0	0	0	0	0	0	0	0	0	0	0
2000													

Age (ka)	198.692	198.692	200.5967	202.5014	204.4062	206.3109	208.2156	210.1203	212.0251	212.0251	213.9298	215.8345	217.6668
Depth (cm)	351	351	356	361	366	371	376	381	386	386	391	396	401
	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume
Grain size (µm)	%	%	%	%	%	%	%	%	%	%	%	%	%
0.37512	0.030942	0.032541	0.073581	0.04147	0.024141	0.025603	0.045247	0.066456	0.040809	0.04457	0.049452	0.075362	0.061359
0.4118	0.054952	0.057792	0.131011	0.073625	0.042803	0.045572	0.080968	0.11886	0.073251	0.079783	0.088525	0.134882	0.109902
0.45206	0.08122	0.085442	0.192713	0.108825	0.063436	0.067324	0.118597	0.17378	0.107124	0.116978	0.129872	0.197205	0.161254
0.49625	0.116341	0.122428	0.273861	0.156137	0.091189	0.096012	0.166839	0.244104	0.15014	0.164664	0.183205	0.277621	0.228317
0.54477	0.146257	0.153942	0.341816	0.197204	0.115562	0.120929	0.206649	0.301247	0.185709	0.204064	0.227766	0.344336	0.285799
0.59803	0.172927	0.182045	0.401422	0.234675	0.138091	0.143846	0.241082	0.34961	0.216693	0.238301	0.267063	0.401979	0.337655
0.65649	0.197835	0.208274	0.456266	0.270686	0.16047	0.166826	0.272765	0.392431	0.245553	0.270052	0.303855	0.453582	0.3865
0.72068	0.222589	0.23432	0.509421	0.307542	0.183973	0.190795	0.302468	0.43108	0.272491	0.300085	0.338993	0.500305	0.433153
0.79113	0.24469	0.257501	0.556607	0.342466	0.207022	0.214643	0.328806	0.463306	0.296911	0.326979	0.370819	0.539797	0.475502
0.86848	0.263175	0.276756	0.597614	0.374562	0.229037	0.238519	0.35303	0.490857	0.320659	0.352002	0.400688	0.573549	0.514407
0.95338	0.278777	0.292766	0.636027	0.404985	0.251353	0.265015	0.379662	0.519468	0.348602	0.379705	0.433078	0.606682	0.553483

1.0466	0.29227	0.306271	0.674527	0.434824	0.275022	0.295931	0.411557	0.552786	0.383586	0.412994	0.470445	0.641486	0.593581
1.1489	0.304498	0.318122	0.715315	0.465066	0.300521	0.331817	0.450135	0.593279	0.426767	0.45334	0.513715	0.679316	0.634128
1.2612	0.314206	0.32701	0.756059	0.493692	0.326155	0.370806	0.494129	0.640035	0.477039	0.499479	0.561103	0.71886	0.672131
1.3845	0.32112	0.33266	0.795384	0.51926	0.350956	0.411835	0.543472	0.693412	0.534417	0.5513	0.612106	0.760802	0.706717
1.5199	0.325241	0.335112	0.830748	0.540177	0.374657	0.454736	0.598293	0.752728	0.599228	0.608948	0.666172	0.804809	0.737243
1.6685	0.327364	0.335299	0.858641	0.555737	0.397192	0.49826	0.655293	0.812719	0.667485	0.669247	0.719065	0.845101	0.759017
1.8316	0.327226	0.333188	0.871179	0.56369	0.416939	0.538043	0.705522	0.861122	0.729073	0.723527	0.760956	0.869116	0.761612
2.0107	0.323204	0.327366	0.857752	0.559984	0.430416	0.567197	0.736969	0.882324	0.770682	0.759837	0.779474	0.862553	0.733677
2.2072	0.315171	0.317906	0.812451	0.542462	0.43691	0.583705	0.745459	0.869474	0.787723	0.773742	0.770656	0.823024	0.676343
2.423	0.304073	0.305835	0.738112	0.511801	0.438216	0.590833	0.736423	0.828164	0.786142	0.769995	0.741182	0.762038	0.60431
2.6599	0.294418	0.295696	0.650644	0.475356	0.440775	0.598324	0.724896	0.777334	0.781679	0.762865	0.708106	0.702685	0.541826
2.92	0.289	0.290271	0.567713	0.440369	0.44907	0.613603	0.723898	0.73604	0.787955	0.764745	0.687006	0.664608	0.506912
3.2054	0.290372	0.29191	0.504027	0.413858	0.467244	0.643591	0.74491	0.720258	0.816866	0.786447	0.690074	0.661564	0.510399
3.5188	0.298092	0.299909	0.461468	0.397257	0.496129	0.691341	0.792824	0.734663	0.874051	0.832687	0.720771	0.695582	0.55315
3.8628	0.311558	0.313257	0.435673	0.390064	0.53566	0.758093	0.868497	0.776763	0.96084	0.904443	0.776795	0.76148	0.631344
4.2405	0.330483	0.331652	0.420391	0.391542	0.584786	0.841592	0.966666	0.837587	1.07201	0.997532	0.850715	0.847961	0.736834
4.6551	0.352836	0.35328	0.412348	0.400067	0.638242	0.931886	1.07381	0.905029	1.19288	1.09965	0.930557	0.940846	0.856616
5.1102	0.379103	0.379011	0.415382	0.417618	0.693265	1.02114	1.1795	0.973522	1.31132	1.20101	1.00901	1.03272	0.980378
5.6098	0.405537	0.405171	0.429147	0.440934	0.743186	1.09922	1.27309	1.03756	1.41554	1.29078	1.07843	1.11801	1.0976
6.1582	0.434753	0.434095	0.460067	0.473163	0.789971	1.16815	1.35769	1.10265	1.50789	1.37184	1.14193	1.20288	1.20923
6.7603	0.463248	0.46235	0.503174	0.509364	0.826717	1.21715	1.41905	1.15658	1.57282	1.43202	1.18899	1.27545	1.30083
7.4212	0.49188	0.491323	0.559029	0.5497	0.849964	1.23557	1.43975	1.18685	1.59	1.457	1.20964	1.32007	1.35386
8.1467	0.514502	0.515992	0.616158	0.585928	0.848666	1.20288	1.39012	1.16939	1.52675	1.41887	1.18463	1.30671	1.33676
8.9432	0.528818	0.534365	0.666317	0.613483	0.819855	1.11386	1.26231	1.0974	1.37322	1.30544	1.10762	1.22181	1.23615
9.8175	0.537493	0.547753	0.704652	0.632569	0.772077	0.988235	1.08495	0.989608	1.15883	1.13443	0.991174	1.07999	1.07002
10.777	0.545583	0.558541	0.727972	0.645091	0.718982	0.858096	0.90519	0.875493	0.935058	0.943117	0.856777	0.913379	0.877571
11.831	0.566196	0.577191	0.748245	0.663703	0.684857	0.767397	0.781976	0.797615	0.767341	0.78898	0.739891	0.772319	0.715098
12.988	0.600835	0.604971	0.76728	0.689603	0.677781	0.730992	0.73402	0.768465	0.680951	0.700394	0.658198	0.681712	0.611097
14.257	0.653702	0.648473	0.796182	0.729791	0.707147	0.755893	0.765589	0.794689	0.684755	0.694578	0.629122	0.659302	0.582205
15.651	0.715788	0.703314	0.833831	0.779006	0.764413	0.821935	0.847873	0.857002	0.756238	0.758253	0.651835	0.698652	0.619757
17.181	0.784783	0.771102	0.884192	0.838388	0.843436	0.907343	0.947478	0.935722	0.865372	0.868689	0.722117	0.78807	0.709513
18.861	0.858395	0.849699	0.948644	0.907446	0.934018	0.990664	1.03477	1.0135	0.977394	0.992756	0.824706	0.906189	0.827559
20.705	0.940002	0.939378	1.02653	0.986756	1.02986	1.06311	1.09996	1.08308	1.06887	1.10186	0.937275	1.02733	0.947959



22.729	1.03561	1.04059	1.11784	1.07774	1.13055	1.13246	1.1574	1.15222	1.13872	1.18733	1.0393	1.13227	1.05362
24.951	1.14404	1.14833	1.21448	1.17396	1.23251	1.20589	1.22184	1.22606	1.19362	1.2519	1.11436	1.20651	1.13434
27.391	1.2627	1.25999	1.31079	1.27046	1.33635	1.29155	1.3056	1.31033	1.24911	1.31265	1.16556	1.25424	1.19718
30.068	1.38075	1.36869	1.39863	1.35849	1.43776	1.38644	1.40561	1.40116	1.3155	1.38439	1.20777	1.29092	1.25678
33.008	1.49233	1.47444	1.47808	1.43737	1.53757	1.48581	1.5124	1.49351	1.40152	1.48034	1.26725	1.34366	1.33612
36.235	1.59786	1.5817	1.55565	1.51309	1.64007	1.58587	1.61623	1.58392	1.51093	1.60571	1.36721	1.43803	1.45499
39.778	1.70976	1.70268	1.64597	1.60006	1.75613	1.69078	1.71717	1.67719	1.64429	1.75966	1.51976	1.58929	1.62391
43.667	1.85133	1.85631	1.76856	1.71836	1.90255	1.81475	1.82865	1.78754	1.80011	1.93784	1.72154	1.79554	1.83989
47.936	2.04676	2.06005	1.94098	1.88482	2.09446	1.97585	1.97211	1.93431	1.9748	2.13499	1.95282	2.03561	2.08475
52.622	2.31301	2.32552	2.17455	2.10848	2.34115	2.18971	2.16881	2.13538	2.16728	2.35076	2.19012	2.28023	2.33572
57.767	2.64793	2.64925	2.46755	2.38345	2.63838	2.45963	2.42763	2.39746	2.37943	2.58897	2.41896	2.50748	2.57588
63.414	3.0262	3.01003	2.80417	2.68897	2.96667	2.77149	2.73811	2.71062	2.61541	2.8544	2.64301	2.7173	2.80313
69.614	3.40676	3.3755	3.158	2.99776	3.29718	3.09595	3.06934	3.04648	2.87775	3.14565	2.88226	2.93181	3.02998
76.42	3.74756	3.71216	3.49849	3.28594	3.60017	3.3964	3.37675	3.36346	3.15804	3.44471	3.15581	3.17655	3.26913
83.891	4.02328	3.99732	3.80186	3.54302	3.85464	3.64167	3.6178	3.6221	3.43113	3.71494	3.46209	3.45898	3.51583
92.092	4.24299	4.23584	4.06129	3.78361	4.06009	3.82121	3.77258	3.80293	3.66265	3.91286	3.77169	3.75441	3.74245
101.1	4.44279	4.4544	4.2829	4.03852	4.23248	3.94621	3.85243	3.91883	3.823	4.00978	4.03385	4.01212	3.90462
110.98	4.67113	4.69338	4.48093	4.34712	4.39822	4.0447	3.8962	4.00985	3.90796	4.01264	4.20639	4.18797	3.97369
121.83	4.96399	4.98961	4.65393	4.73456	4.58271	4.14926	3.94462	4.1062	3.94562	3.95961	4.28673	4.25905	3.96704
133.74	5.28898	5.31369	4.75848	5.15792	4.76607	4.25725	3.99478	4.18919	3.95279	3.87592	4.29127	4.21921	3.92241
146.81	5.55116	5.57802	4.72067	5.50984	4.88809	4.33039	3.99209	4.17272	3.91859	3.74753	4.23846	4.05578	3.87711
161.17	5.5847	5.61788	4.44332	5.60622	4.83467	4.2791	3.83129	3.92876	3.77533	3.50704	4.09993	3.72401	3.80454
176.92	5.22294	5.25703	3.87135	5.26671	4.48197	3.9963	3.41554	3.37491	3.42592	3.0736	3.79819	3.18651	3.61102
194.22	4.42216	4.44891	3.04907	4.44811	3.79367	3.434	2.74304	2.55252	2.83695	2.43741	3.27435	2.46034	3.20251
213.21	3.27659	3.28792	2.09234	3.25852	2.83434	2.62285	1.91305	1.62869	2.06107	1.68254	2.52444	1.63592	2.53162
234.05	1.96909	1.8907	1.12461	1.84987	1.74149	1.67236	1.03923	0.795242	1.16803	0.905157	1.62392	0.841734	1.6495
256.94	0.867515	0.763098	0.420456	0.731423	0.794599	0.800133	0.395706	0.265868	0.465651	0.342993	0.782196	0.296241	0.792045
282.06	0.22823	0.152736	0.079403	0.143845	0.222948	0.244411	0.07573	0.045408	0.092311	0.065386	0.238879	0.052882	0.235352
309.63	0.029536	0.013019	0.006087	0.011846	0.031205	0.037476	0.006077	0.003076	0.007803	0.005289	0.036572	0.003696	0.034618
339.9	0.000851	0	0	0	0.001152	0.001823	0	0	0	0	0.001743	0	0.00147
373.13	0	0	0	0	0	0	0	0	0	0	0	0	0
409.61	0	0	0	0	0	0	0	0	0	0	0	0	0
449.66	0	0	0	0	0	0	0	0	0	0	0	0	0

493.62	0	0	0	0	0	0	0	0	0	0	0	0	0
541.88	0	0	0	0	0	0	0	0	0	0	0	0	0
594.85	0	0	0	0	0	0	0	0	0	0	0	0	0
653.01	0	0	0	0	0	0	0	0	0	0	0	0	0
716.85	0	0	0	0	0	0	0	0	0	0	0	0	0
786.93	0	0	0	0	0	0	0	0	0	0	0	0	0
863.87	0	0	0	0	0	0	0	0	0	0	0	0	0
948.32	0	0	0	0	0	0	0	0	0	0	0	0	0
1041	0	0	0	0	0	0	0	0	0	0	0	0	0
1142.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1254.5	0	0	0	0	0	0	0	0	0	0	0	0	0
1377.2	0	0	0	0	0	0	0	0	0	0	0	0	0
1511.8	0	0	0	0	0	0	0	0	0	0	0	0	0
1659.6	0	0	0	0	0	0	0	0	0	0	0	0	0
1821.9	0	0	0	0	0	0	0	0	0	0	0	0	0
2000													

Age (ka)	219.3904	220.9835	222.3809	223.7783	225.1756	226.573	227.9704	229.3677	230.7651	232.1625	233.5598	234.9572	236.812
Depth (cm)	406	411	416	421	426	431	436	441	446	451	456	461	466
	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	Volume	%	%	Volume	Volume
Grain size (µm)	%	%	%	%	%	%	%	%	%			%	%
0.37512	0.048196	0.050609	0.067983	0.06629	0.080924	0.062754	0.03547	0.045636	0.031319	0.040524	0.024817	0.048554	0.029771
0.4118	0.085968	0.09039	0.121285	0.117918	0.144139	0.111682	0.063045	0.081364	0.055718	0.072074	0.044118	0.087156	0.053168
0.45206	0.126928	0.133214	0.178361	0.173382	0.21118	0.164459	0.092529	0.119443	0.081624	0.10555	0.064753	0.126729	0.078054
0.49625	0.181165	0.189892	0.253346	0.245939	0.297512	0.234057	0.13071	0.168554	0.114904	0.148298	0.091546	0.176134	0.110423
0.54477	0.228203	0.239543	0.316816	0.305199	0.366065	0.292516	0.161108	0.208547	0.140857	0.181459	0.113438	0.214684	0.138618
0.59803	0.27114	0.285658	0.372805	0.355181	0.421806	0.343607	0.185987	0.242412	0.161544	0.207663	0.132106	0.246129	0.164574
0.65649	0.312654	0.331078	0.424322	0.398836	0.468371	0.390233	0.207162	0.272772	0.178488	0.229168	0.149114	0.273031	0.190562
0.72068	0.354042	0.377242	0.473115	0.438868	0.508531	0.434738	0.226296	0.301054	0.193171	0.247768	0.165678	0.296295	0.217005
0.79113	0.392469	0.422218	0.515216	0.470418	0.53724	0.472873	0.241082	0.325087	0.203632	0.261209	0.180817	0.315498	0.24361
0.86848	0.4273	0.466528	0.549791	0.492192	0.554167	0.503421	0.251366	0.345252	0.209969	0.269798	0.195046	0.33392	0.27156

0.95338	0.460932	0.513372	0.579684	0.506783	0.564015	0.528707	0.259485	0.365184	0.21448	0.276979	0.210731	0.357839	0.304626
1.0466	0.494263	0.564075	0.606095	0.516708	0.571024	0.550341	0.267952	0.387824	0.219753	0.286462	0.230114	0.391893	0.344894
1.1489	0.526847	0.618485	0.629248	0.524758	0.579721	0.569674	0.279635	0.415723	0.228841	0.302386	0.255486	0.439649	0.392578
1.2612	0.555251	0.673307	0.646149	0.52989	0.590116	0.584635	0.294997	0.448355	0.242674	0.325945	0.287393	0.5017	0.446077
1.3845	0.578039	0.726248	0.656353	0.532717	0.603539	0.595148	0.31509	0.485768	0.262598	0.358451	0.326543	0.578148	0.504847
1.5199	0.595259	0.775158	0.660545	0.5337	0.620226	0.601541	0.340226	0.527651	0.289095	0.400062	0.372823	0.666834	0.568995
1.6685	0.605821	0.81574	0.657435	0.53342	0.638833	0.603763	0.370618	0.572357	0.322431	0.450454	0.425272	0.760751	0.635019
1.8316	0.604737	0.839352	0.640783	0.529226	0.652913	0.598437	0.404337	0.614327	0.360859	0.50643	0.48095	0.84582	0.694808
2.0107	0.585196	0.835366	0.602812	0.515804	0.652024	0.580351	0.437097	0.64444	0.400229	0.561038	0.534821	0.902973	0.738636
2.2072	0.548752	0.801276	0.545712	0.490762	0.62911	0.549676	0.464821	0.656509	0.436055	0.606625	0.582543	0.91765	0.764707
2.423	0.505586	0.744985	0.48201	0.455925	0.584322	0.512193	0.483784	0.649707	0.46351	0.636153	0.62002	0.88656	0.779102
2.6599	0.473104	0.685132	0.431675	0.420482	0.529311	0.480301	0.49504	0.632397	0.481792	0.649446	0.647221	0.822402	0.794556
2.92	0.463096	0.638394	0.408459	0.392476	0.477752	0.462838	0.50008	0.613796	0.490871	0.64903	0.664705	0.745942	0.821255
3.2054	0.483177	0.617314	0.420864	0.378866	0.441686	0.466364	0.503415	0.603754	0.494248	0.641949	0.676573	0.677877	0.868824
3.5188	0.533997	0.624724	0.469898	0.379951	0.422961	0.490698	0.506841	0.605681	0.494308	0.632207	0.685762	0.627656	0.941925
3.8628	0.614186	0.658792	0.553358	0.394032	0.418682	0.53373	0.511771	0.621043	0.493745	0.623156	0.69445	0.595773	1.03973
4.2405	0.719401	0.714397	0.664614	0.418126	0.423687	0.590963	0.518056	0.64873	0.494232	0.616734	0.702835	0.57795	1.15267
4.6551	0.839096	0.783347	0.790353	0.448677	0.434927	0.654873	0.523769	0.685444	0.494873	0.613378	0.707639	0.570917	1.26124
5.1102	0.963621	0.860847	0.918714	0.486093	0.454948	0.721552	0.531296	0.730697	0.497854	0.617263	0.710152	0.576634	1.35263
5.6098	1.08058	0.939811	1.03781	0.526934	0.482499	0.78452	0.538425	0.779005	0.500826	0.626238	0.708064	0.595557	1.41786
6.1582	1.18987	1.02347	1.14722	0.575024	0.521332	0.847595	0.550809	0.833837	0.508923	0.645922	0.707612	0.631306	1.46129
6.7603	1.2777	1.10102	1.23121	0.623809	0.563154	0.902021	0.564453	0.885892	0.519529	0.671353	0.705561	0.673648	1.4682
7.4212	1.32927	1.16041	1.26912	0.670425	0.605199	0.940554	0.58189	0.930448	0.535302	0.704666	0.703474	0.710586	1.42183
8.1467	1.31709	1.17438	1.23004	0.702268	0.637477	0.943976	0.597685	0.950596	0.550545	0.737637	0.695045	0.721185	1.30354
8.9432	1.23098	1.12707	1.10724	0.714255	0.658403	0.905041	0.612761	0.938	0.563522	0.766082	0.679445	0.693599	1.1256
9.8175	1.08901	1.02491	0.93172	0.710731	0.671479	0.835994	0.632677	0.896931	0.5769	0.788279	0.663215	0.630723	0.936228
10.777	0.926685	0.892509	0.755146	0.700013	0.678053	0.760084	0.660982	0.838245	0.594272	0.800746	0.653799	0.546186	0.785831
11.831	0.795044	0.775115	0.634571	0.700113	0.686011	0.714426	0.707914	0.790337	0.628063	0.812012	0.668805	0.468254	0.716328
12.988	0.71676	0.696989	0.58666	0.712226	0.691107	0.711798	0.766123	0.765812	0.676648	0.820139	0.709143	0.41469	0.723763
14.257	0.708179	0.67784	0.613122	0.741327	0.702017	0.762048	0.835958	0.782922	0.742345	0.839176	0.777195	0.402016	0.792756
15.651	0.760802	0.713317	0.688653	0.779968	0.724785	0.850002	0.907503	0.841055	0.813356	0.876336	0.85583	0.432171	0.882145
17.181	0.865247	0.797244	0.788433	0.830792	0.775844	0.961613	0.986788	0.938746	0.887742	0.948474	0.932963	0.501967	0.96304
18.861	1.00381	0.915841	0.890317	0.897592	0.864061	1.08149	1.08227	1.06428	0.966446	1.06282	1.00067	0.597518	1.02529

20.705	1.15727	1.05319	0.986923	0.984389	0.986187	1.20281	1.20275	1.20011	1.05705	1.21362	1.06378	0.697561	1.08016
22.729	1.31126	1.1963	1.0837	1.09263	1.12579	1.33	1.35194	1.33193	1.16937	1.38285	1.13893	0.783729	1.14863
24.951	1.45063	1.32814	1.18046	1.20991	1.25495	1.46385	1.5156	1.44614	1.30169	1.53893	1.23699	0.845587	1.23469
27.391	1.57471	1.44199	1.27635	1.32349	1.35885	1.6078	1.67723	1.54528	1.44766	1.66393	1.36338	0.891253	1.33219
30.068	1.68998	1.53757	1.36471	1.41973	1.43937	1.75758	1.81761	1.63854	1.59038	1.75627	1.5061	0.938798	1.42289
33.008	1.81658	1.63121	1.44785	1.5002	1.52236	1.91232	1.9352	1.74448	1.71941	1.84115	1.64762	1.01148	1.49766
36.235	1.97697	1.74918	1.53956	1.58101	1.64	2.07397	2.04577	1.87845	1.83509	1.95426	1.77201	1.12446	1.56481
39.778	2.18745	1.9201	1.66419	1.6891	1.81602	2.25095	2.17923	2.0471	1.95486	2.12662	1.87979	1.27778	1.64984
43.667	2.45038	2.16456	1.8482	1.8533	2.05486	2.45627	2.36863	2.24611	2.10938	2.3711	1.99336	1.45361	1.78433
47.936	2.74862	2.48249	2.10572	2.09138	2.33552	2.7011	2.63428	2.46149	2.32949	2.67407	2.14973	1.6211	1.9881
52.622	3.0533	2.85011	2.42964	2.40241	2.62418	2.99018	2.9743	2.68103	2.63441	3.00231	2.38686	1.75371	2.25791
57.767	3.33528	3.22373	2.78794	2.76291	2.89197	3.31506	3.35991	2.90138	3.0187	3.31839	2.72369	1.84502	2.56392
63.414	3.57826	3.55519	3.13271	3.13242	3.13181	3.65283	3.74298	3.1305	3.4491	3.60053	3.147	1.91506	2.85968
69.614	3.78361	3.81151	3.42089	3.4691	3.36309	3.96821	4.07439	3.38052	3.87357	3.85199	3.60723	1.99999	3.1054
76.42	3.959	3.9831	3.63172	3.74597	3.61359	4.21855	4.32196	3.65068	4.23978	4.08924	4.03181	2.13015	3.2873
83.891	4.10192	4.07923	3.77087	3.95876	3.89339	4.36617	4.48124	3.9161	4.51647	4.32315	4.35697	2.31058	3.42056
92.092	4.18982	4.11538	3.86327	4.12075	4.18051	4.39044	4.57164	4.13213	4.7063	4.53894	4.55969	2.51153	3.54027
101.1	4.18596	4.09831	3.93089	4.24769	4.41889	4.29774	4.61873	4.25366	4.83589	4.69472	4.66608	2.68003	3.67488
110.98	4.06673	4.02819	3.98461	4.34673	4.55149	4.12651	4.6398	4.26768	4.93655	4.74826	4.73287	2.77128	3.83185
121.83	3.84082	3.90074	4.02555	4.41544	4.56177	3.91737	4.62259	4.20028	5.01448	4.66225	4.79672	2.78093	3.99357
133.74	3.53823	3.70325	4.03395	4.44177	4.46191	3.68832	4.51937	4.08077	5.02294	4.42123	4.83071	2.74989	4.10376
146.81	3.18745	3.41991	3.98499	4.40628	4.28641	3.41367	4.26156	3.91384	4.87821	4.01631	4.74326	2.73385	4.09404
161.17	2.78604	3.02517	3.82898	4.27197	4.03087	3.02833	3.7844	3.648	4.48523	3.42998	4.4089	2.76142	3.88867
176.92	2.31057	2.5049	3.50441	3.9851	3.64093	2.49181	3.08283	3.2097	3.80155	2.68912	3.76047	2.81012	3.43424
194.22	1.76114	1.89067	2.98131	3.49219	3.07494	1.82838	2.23954	2.57831	2.89655	1.86529	2.85811	2.81126	2.75813
213.21	1.18315	1.25569	2.27073	2.77911	2.32441	1.13127	1.39658	1.81085	1.91967	1.05163	1.8628	2.69263	1.95076
234.05	0.62503	0.658812	1.44516	1.90799	1.43464	0.534631	0.678785	0.991911	0.998561	0.436898	0.943027	2.42911	1.0851
256.94	0.232998	0.244886	0.686809	1.00311	0.646895	0.167998	0.229247	0.379011	0.366058	0.106414	0.330487	2.07286	0.42727
282.06	0.043899	0.046215	0.206483	0.358508	0.170776	0.027039	0.039841	0.072634	0.068215	0.012763	0.05911	1.73214	0.084168
309.63	0.003473	0.003659	0.030948	0.064048	0.021907	0.001557	0.002771	0.00577	0.0053	0.000274	0.00424	1.50526	0.007067
339.9	0	0	0.001432	0.004537	0.000564	0	0	0	0	0	0	1.43947	0
373.13	0	0	0	0	0	0	0	0	0	0	0	1.5183	0
409.61	0	0	0	0	0	0	0	0	0	0	0	1.66614	0

449.66	0	0	0	0	0	0	0	0	0	0	0	0	1.77049	0
493.62	0	0	0	0	0	0	0	0	0	0	0	0	1.72855	0
541.88	0	0	0	0	0	0	0	0	0	0	0	0	1.51892	0
594.85	0	0	0	0	0	0	0	0	0	0	0	0	1.2312	0
653.01	0	0	0	0	0	0	0	0	0	0	0	0	0.995904	0
716.85	0	0	0	0	0	0	0	0	0	0	0	0	0.910699	0
786.93	0	0	0	0	0	0	0	0	0	0	0	0	1.00812	0
863.87	0	0	0	0	0	0	0	0	0	0	0	0	1.23079	0
948.32	0	0	0	0	0	0	0	0	0	0	0	0	1.45534	0
1041	0	0	0	0	0	0	0	0	0	0	0	0	1.49054	0
1142.8	0	0	0	0	0	0	0	0	0	0	0	0	1.11287	0
1254.5	0	0	0	0	0	0	0	0	0	0	0	0	0.55701	0
1377.2	0	0	0	0	0	0	0	0	0	0	0	0	0.128217	0
1511.8	0	0	0	0	0	0	0	0	0	0	0	0	0.012758	0
1659.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1821.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000														

## 2.5. Percentage of <20µm grain size

Depth (cm)	Age (ka)	% <20µm sediment
1	0.388983	32.0129
6	2.393461	36.06651
11	4.487285	45.11671
16	6.58111	44.6776
21	8.674935	45.71394
26	10.76876	38.94717
31	13.13506	41.49872
36	16.09909	44.60534
41	19.81927	49.73647
46	23.53945	56.74668
51	27.25962	44.0458
56	30.9798	40.50889
61	34.69997	49.38398
66	38.42015	45.44641
71	42.40198	36.24438
76	46.72056	30.51807
81	51.14735	36.25013
86	56.30948	31.28436
91	61.96184	21.88722
96	67.24498	29.65062
101	72.28197	23.79574
106	76.33935	33.19696
111	79.74366	29.26252
116	83.14797	23.5901

119	85.19056	31.81951
122	87.23315	30.79901
126	89.9566	33.49208
131	93.36091	28.59297
136	96.76522	27.60355
141	100.1695	39.93256
146	103.5738	50.50052
151	106.9782	37.14739
156	110.3825	57.3797
161	113.7868	72.41265
166	116.9205	55.8264
171	119.8738	66.88017
176	122.4353	66.3017
181	124.7354	67.53837
186	127.0356	59.07174
191	128.4494	61.55789
196	129.2721	55.03555
201	130.0949	55.09813
206	130.9452	47.79513
211	131.8365	52.57475
216	133.1435	37.42749
221	134.7274	39.05504
226	136.9103	32.41522
231	139.4924	28.4466
236	142.0744	24.83618
241	144.6565	27.45342
246	147.2386	18.60416
251	149.8206	50.53068

256	152.4027	39.96092
261	154.9848	28.31375
266	157.5669	21.87308
271	160.1489	22.43072
276	162.731	31.61523
281	165.3131	39.94077
286	167.8952	38.03605
291	170.4772	46.17746
296	173.0593	47.50699
301	175.6414	39.69674
306	178.2235	40.33883
311	180.8055	36.2821
316	183.3876	25.90396
321	185.9697	29.44471
326	188.5517	30.62352
331	190.7648	30.63501
336	192.9778	30.87172
341	194.8825	39.77904
346	196.7873	31.03021
351	198.692	21.20358
356	200.5967	33.64338
361	202.5014	26.40846
366	204.4062	27.65907
371	206.3109	34.4746
376	208.2156	40.53315
381	210.1203	40.86871
386	212.0251	41.45844
391	213.9298	36.92337



396	215.8345	41.7481
401	217.6668	38.13033
406	219.3904	39.85733
411	220.9835	40.24297
416	222.3809	36.51952
421	223.7783	29.40984
426	225.1756	31.41404
431	226.573	37.09588
436	227.9704	28.77462
441	229.3677	35.29897
446	230.7651	25.01992
451	232.1625	32.74878
456	233.5598	29.20277
461	234.9572	27.53785
466	236.812	40.67371