

12. DATA REPORT: GRAIN-SIZE DATA, SITES 1095, 1096, AND 1101, ANTARCTIC PENINSULA CONTINENTAL RISE¹

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INTRODUCTION

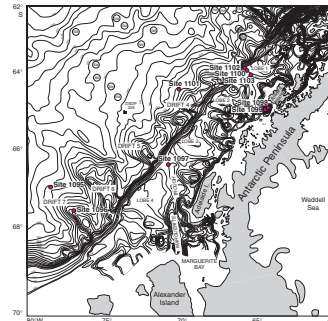
Sites 1095, 1096, and 1101 were drilled on the continental rise west of the Antarctic Peninsula (Fig. F1) to recover a continuous high-resolution record of Antarctic glaciation. Site 1095 is the subject of a short paper in this volume (Pudsey, **Chap. 25**, this volume), whereas mass accumulation rates at the three sites are described by Wolf-Welling (**Chap. 15**, this volume) and ice-rafted debris at Site 1101 is discussed by Cowan (**Chap. 10**, this volume) This report documents grain-size data (sand and fine fraction) and the proportion of biogenic silica for the upper 300 m at Site 1095, the upper 250 m at Site 1096, and the whole 220 m at Site 1101.

METHODS

The cores were sampled approximately every 1.5 m (one sample per section). Selected intervals, where there was obvious lithologic cyclicity, were sampled more closely (every 0.2 to 0.4 m). Sample size was 10 cm³.

Sample preparation was carried out at the British Antarctic Survey. Biogenic silica (in the form of diatoms, radiolarians, and rare silicoflagellates) was measured by point counting a smear slide made from each sample. This method is quick but tends to overestimate silica compared with the true weight percentage (Pudsey, 1993). For textural analysis, each dried sample of ~5 g was wet sieved at 63 μm (4 ϕ) to measure sand percentage and the sand fraction weighed and retained. Fine-fraction size distribution down to 0.5 μm (11 ϕ) was measured on a Sedi-

F1. Location map, Sites 1095, 1096, and 1101, p. 6.



¹Pudsey, C.J., 2001. Data report: Grain-size data, Sites 1095, 1096, and 1101, Antarctic Peninsula continental rise. In Barker, P.F., Camerlenghi, A., Acton, G.D., and Ramsay, A.T.S. (Eds.), *Proc. ODP, Sci. Results*, 178, 1-34 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/178_SR/VOLUME/CHAPTERS/SR178_12.PDF>. [Cited YYYY-MM-DD]

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graph 5100 particle size analyzer at Royal Holloway and Bedford New College, University of London. The chosen Sedigraph output was the weight percentage within each 0.25- ϕ interval from 4 to 11 ϕ (63–0.5 μm). The very high clay content of most samples (commonly >70% finer than 8 ϕ (4 μm) and >40% finer than the measurement limit of 11 ϕ) necessitated extrapolation of the fine end of the cumulative frequency curves to obtain values of ϕ_{16} to calculate the standard grain-size parameters of sorting (σ_G) and skewness (Sk_G) (Folk, 1974). Modal size was measured to the nearest 0.1 ϕ from each size-frequency histogram.

The data for each site are plotted against age using the sedimentation rate curves based mainly on magnetic reversal data of Shipboard Scientific Party (1999a, 1999b, 1999c).

RESULTS

The data are given in Tables T1, T2, T3, T4, T5, T6, T7, T8, and T9 and Figures F2, F3, F4, F5, F6, F7, F8, F9, and F10. Tables T1, T2, and T3 refer to Site 1095; downcore plots for this site are shown by Pudsey (Chap. 25, this volume).

Site 1096

Tables T4, T5, and T6 and Figures F2, F3, F4, and F5 refer to Site 1096. Diatom content is generally low (<10%), reflecting dilution by the abundant fine-grained terrigenous supply to this site at the inshore end of Drift 7. The spikiness of the sand percentage and other grain-size data result from sampling the lithologic cycles that are present throughout the section (Shipboard Scientific Party, 1999b). Virtually all the sand is terrigenous. Clay content is generally very high (70%–80% finer than 4 μm); the samples are poorly to very poorly sorted and positively (fine) skewed.

Site 1101

Tables T7, T8, and T9 and Figures F6, F7, F8, and F9 refer to Site 1101. Diatom content is generally low in the Quaternary but up to 38% in the upper Pliocene. Some of the sand in the samples from 50 to 135 meters below seafloor (mbsf) (0.7–2.0 Ma) comprises foraminiferal tests (Wolf-Welling, Chap. 15, this volume). The fine-fraction grain-size data (Fig. F8) emphasize the strong lithologic cyclicity, with silty clays and clayey silts alternating. Most median and many of the modal diameters are in the silt rather than the clay range. Sorting is poor and the samples are positively (fine) skewed.

None of the sites shows any marked trends in grain size downcore, but there are significant differences between sites. Figure F10 shows frequency histograms of median diameter and mode for each site. Note that not all samples have a well-defined mode. Approximately one-third of the samples from Sites 1095 and 1096 and 10% of those from Site 1101 are polymodal or so poorly sorted that a mode could not be picked. At Site 1095, median diameter average = 9.65 ϕ and most modes are near 8 ϕ (silt/clay boundary), with a few in the silt range. At Site 1096, median diameter average = 10.3 ϕ and nearly all modes are ~8 ϕ . Site 1101 has a much wider spread of median and modal diameters. It is likely that Site 1096 represents the lowest-energy hemipelagic environment with the weakest bottom currents. Some samples at Site 1095 in-

T1. Diatom percentage, Site 1095, p. 16.

T2. Grain-size summary, Site 1095, p. 17.

T3. Grain-size statistics, Site 1095, p. 21.

T4. Diatom percentage, Site 1096, p. 23.

T5. Grain-size summary, Site 1096, p. 24.

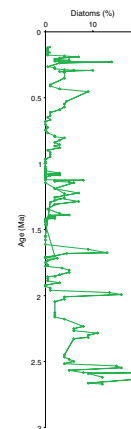
T6. Grain-size statistics, Site 1096, p. 27.

T7. Diatom percentage, Site 1101, p. 29.

T8. Grain-size summary, Site 1101, p. 30.

T9. Grain-size statistics, Site 1101, p. 33.

F2. Diatom percentage, Site 1096, p. 7.



clude a silt component from turbidity currents (Pudsey, submitted, this volume). Site 1101 is a hemipelagic/contouritic section (Shipboard Scientific Party, 1999c), reflecting some sorting by bottom currents.

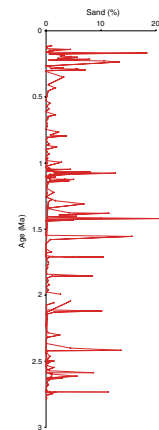
SUMMARY

Grain-size data for Sites 1095, 1096, and 1101 show the sections are fine-grained throughout, reflecting the low-energy depositional environment.

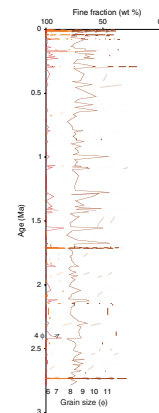
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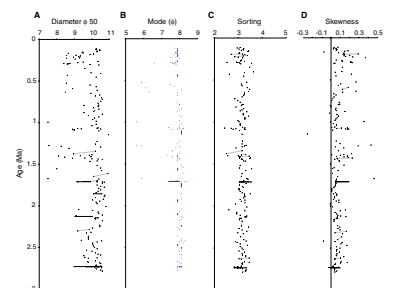
F3. Sand percentage, Site 1096, p. 8.



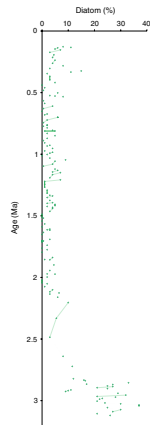
F4. Fine-fraction size distribution, Site 1096, p. 9.



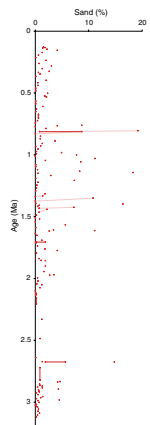
F5. Grain-size statistics, Site 1096, p. 10.



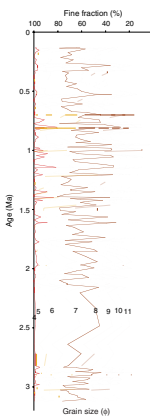
F6. Diatom percentage, Site 1101, p. 11.



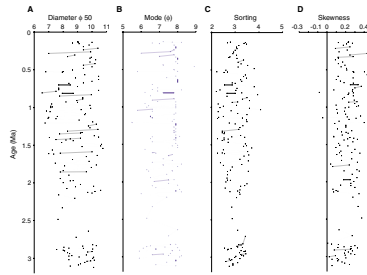
F7. Sand percentage, Site 1101, p. 12.



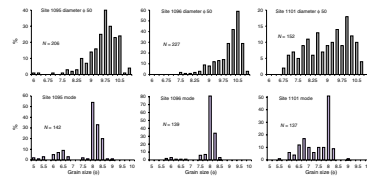
F8. Fine-fraction size distribution, Site 1101, p. 13.



F9. Grain-size statistics, Site 1101, p. 14.



F10. Median diameter frequency histograms, p. 15.



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- , 1999c. Site 1101. In Barker, P.F., Camerlenghi, A., Acton, G.D., et al., *Proc. ODP, Init. Repts.*, 178, 1–83 [CD-ROM]. Available from: Ocean Drilling Program, Texas A&M University, College Station, TX 77845-9547, U.S.A.

Figure F1. Location map of Sites 1095, 1096, and 1101.

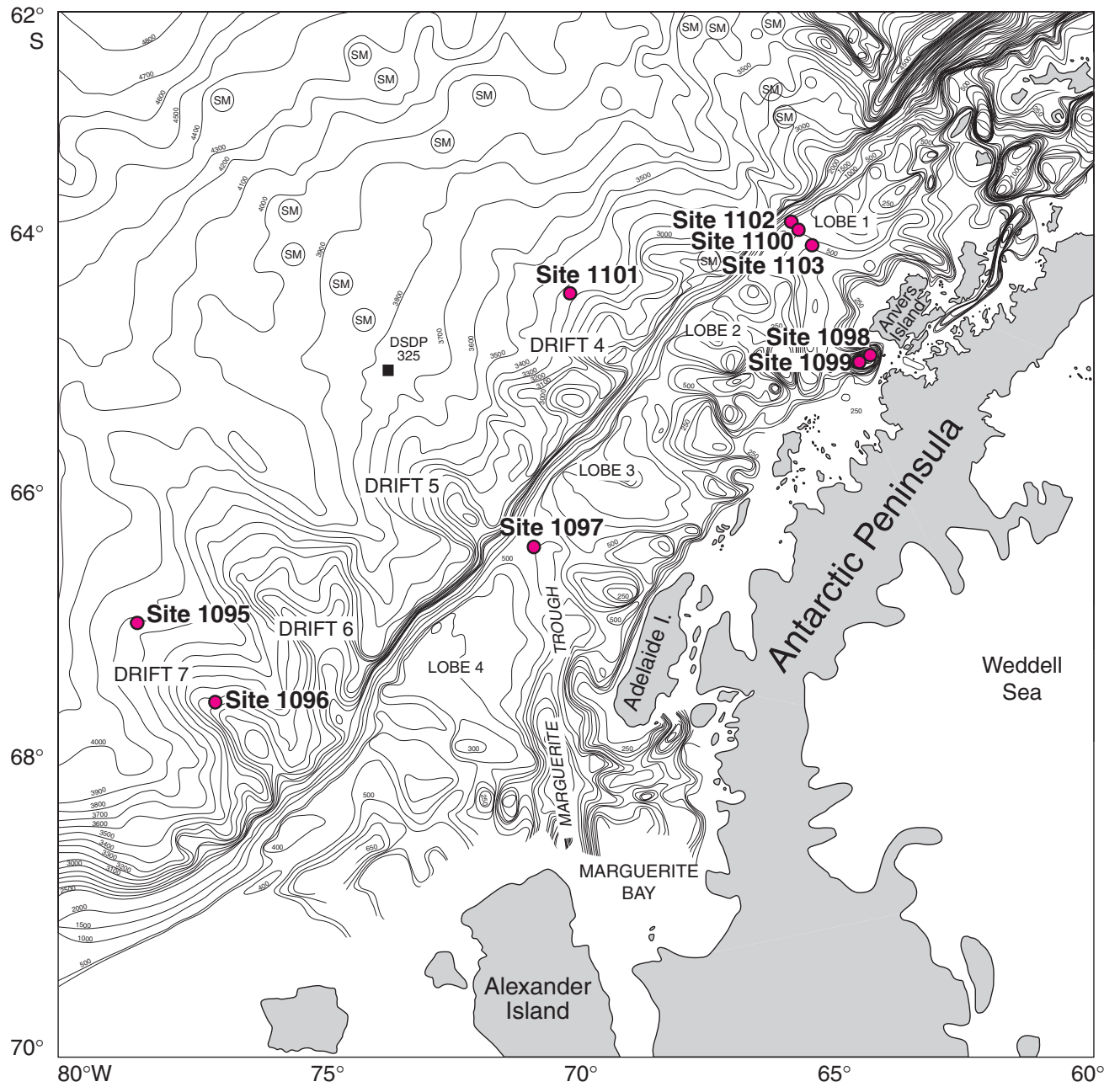


Figure F2. Diatom percentage for Site 1096.

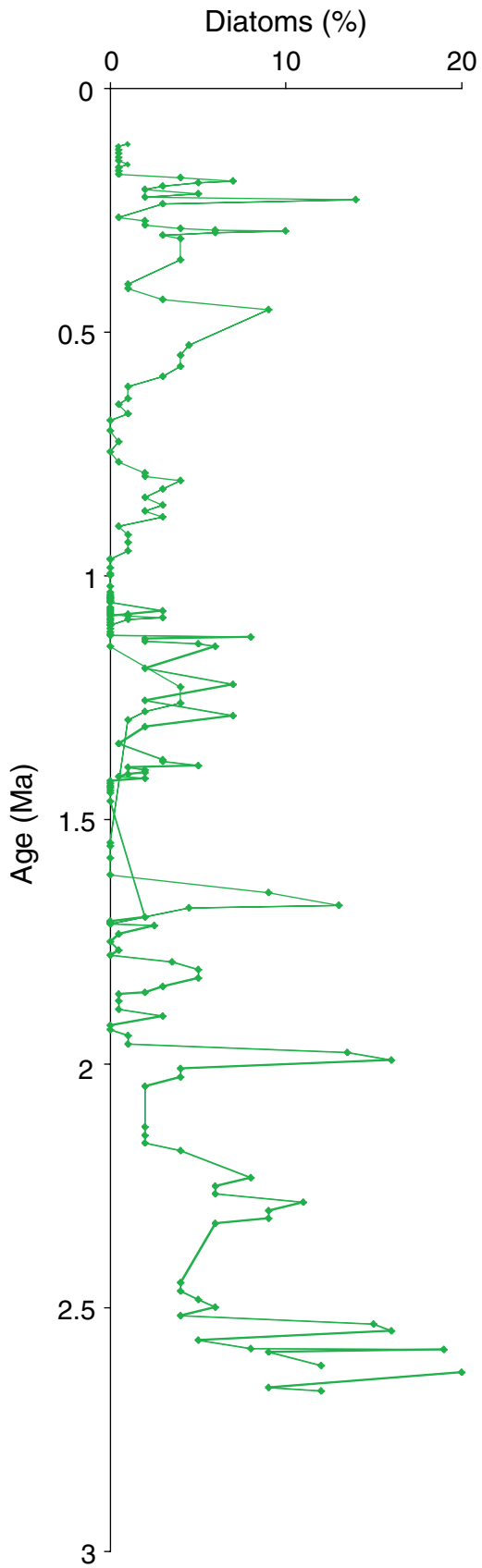


Figure F3. Sand percentage for Site 1096.

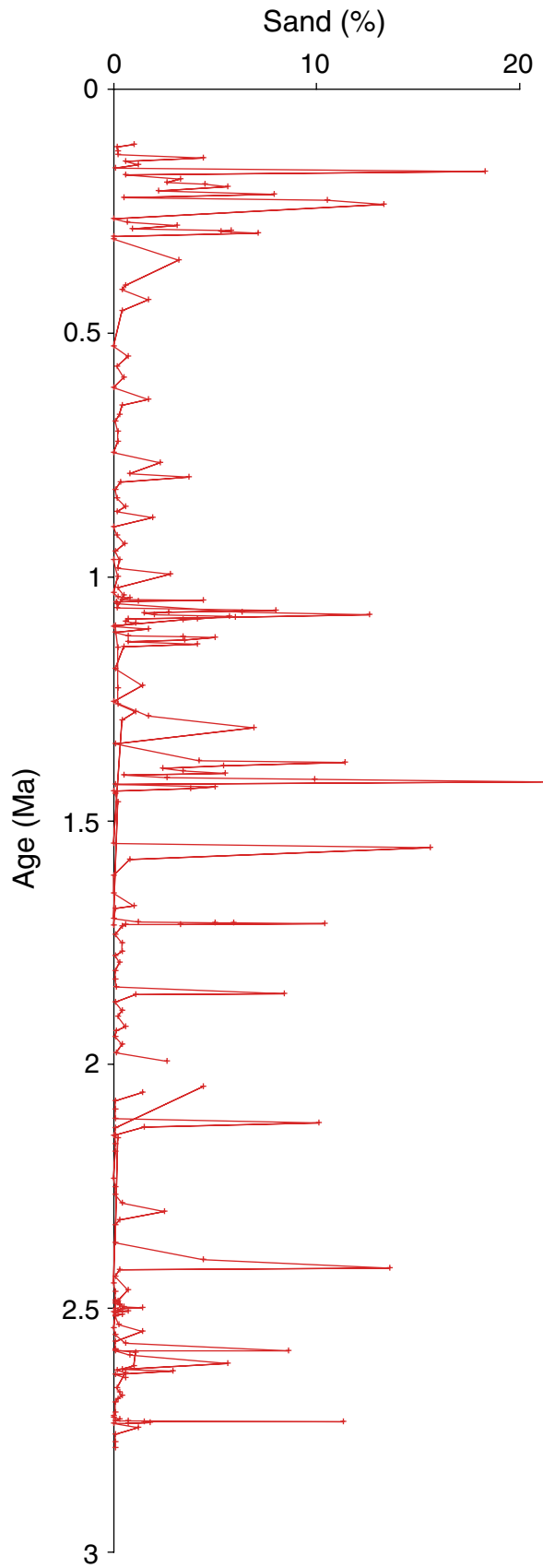


Figure F4. Fine-fraction ($>4 \phi$) size distribution (weight percentage within $1-\phi$ intervals) for Site 1096.

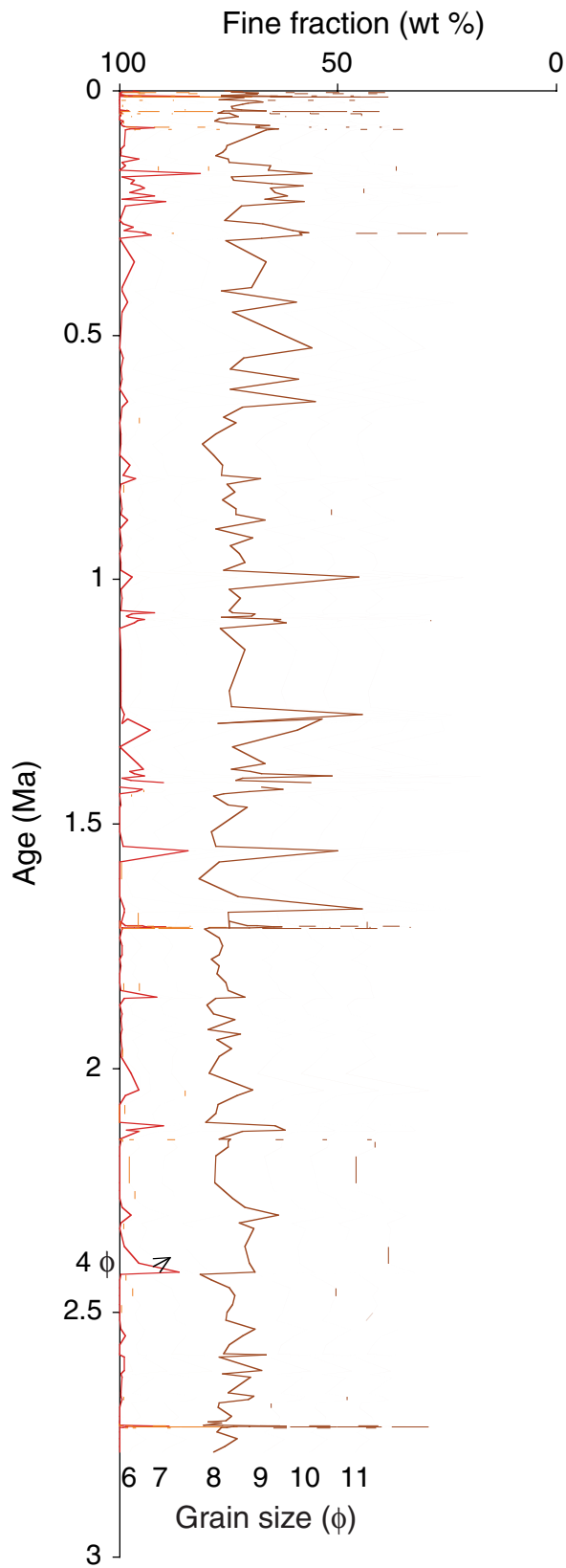


Figure F5. Site 1096 grain-size statistics. A. Median diameter. B. Modal size. Not all samples have a well-defined mode. C. Sorting. D. Skewness.

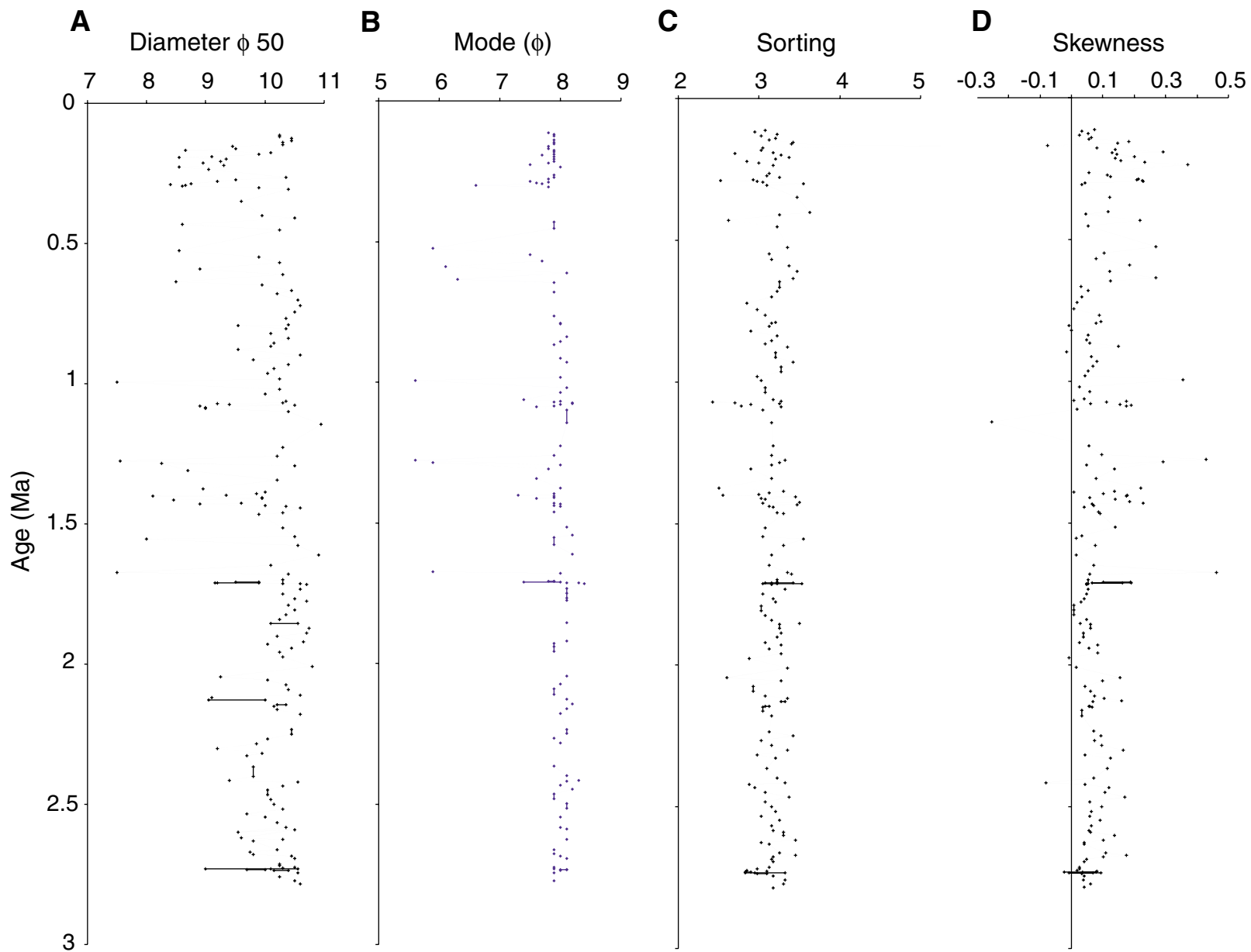


Figure F6. Diatom percentage for Site 1101.

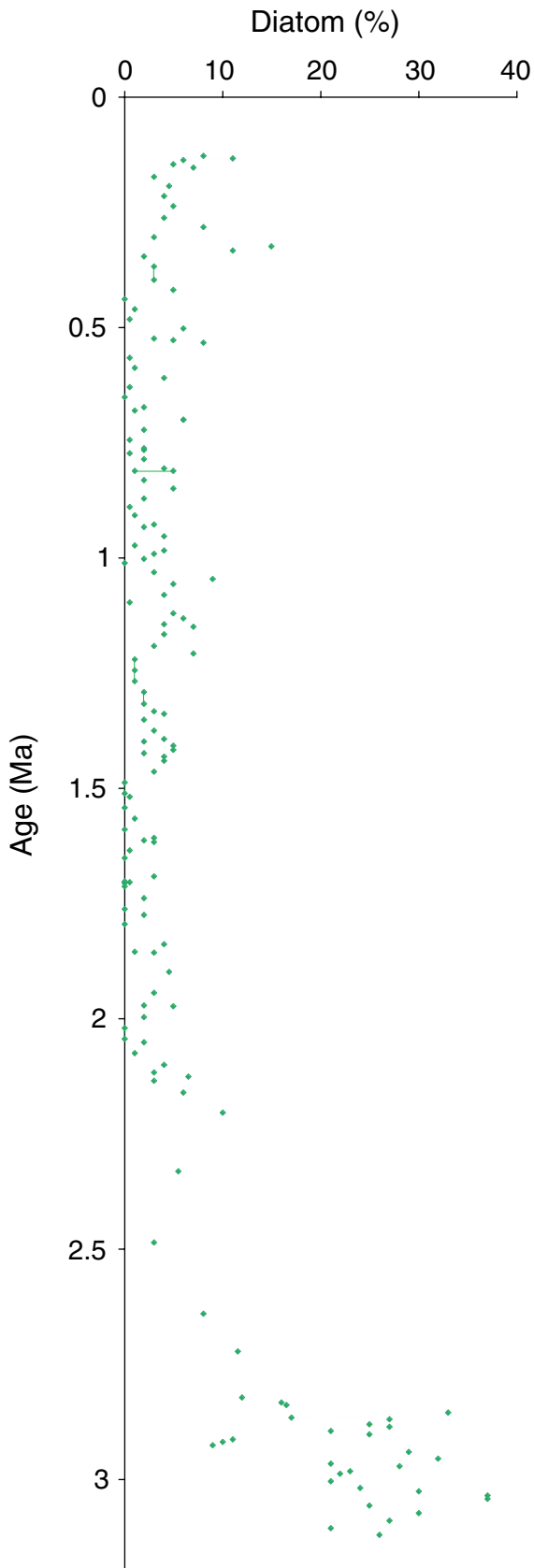


Figure F7. Sand percentage for Site 1101.

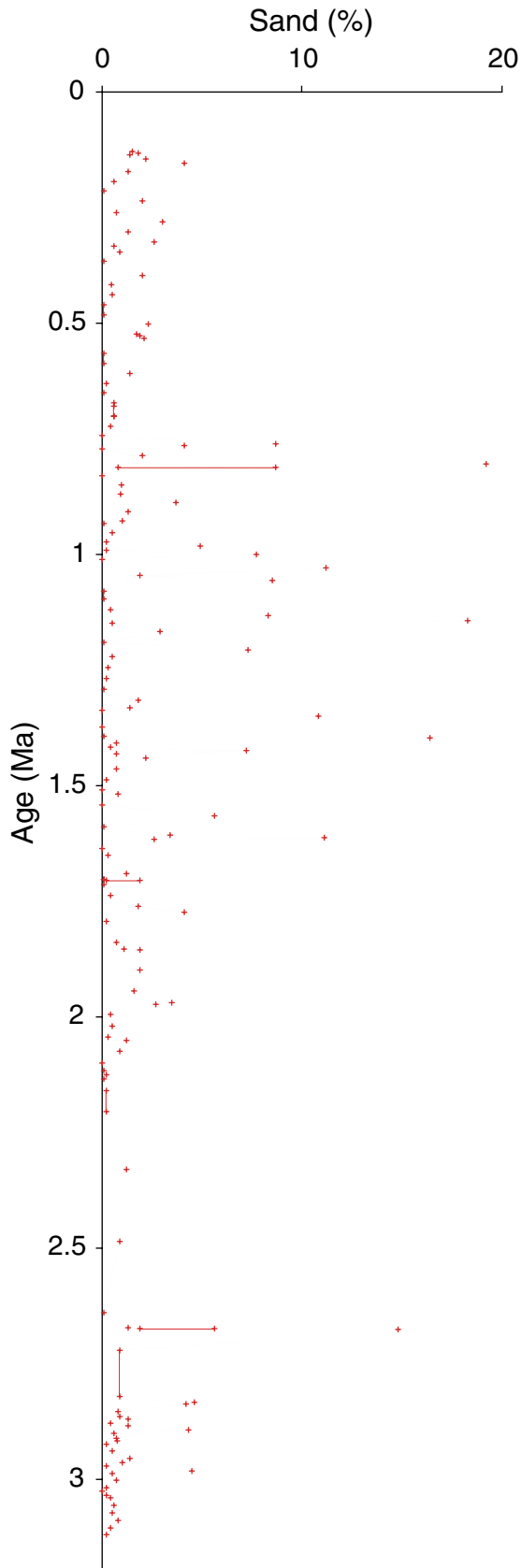


Figure F8. Fine-fraction ($>4 \phi$) size distribution (weight percentage within $1-\phi$ intervals) for Site 1101.

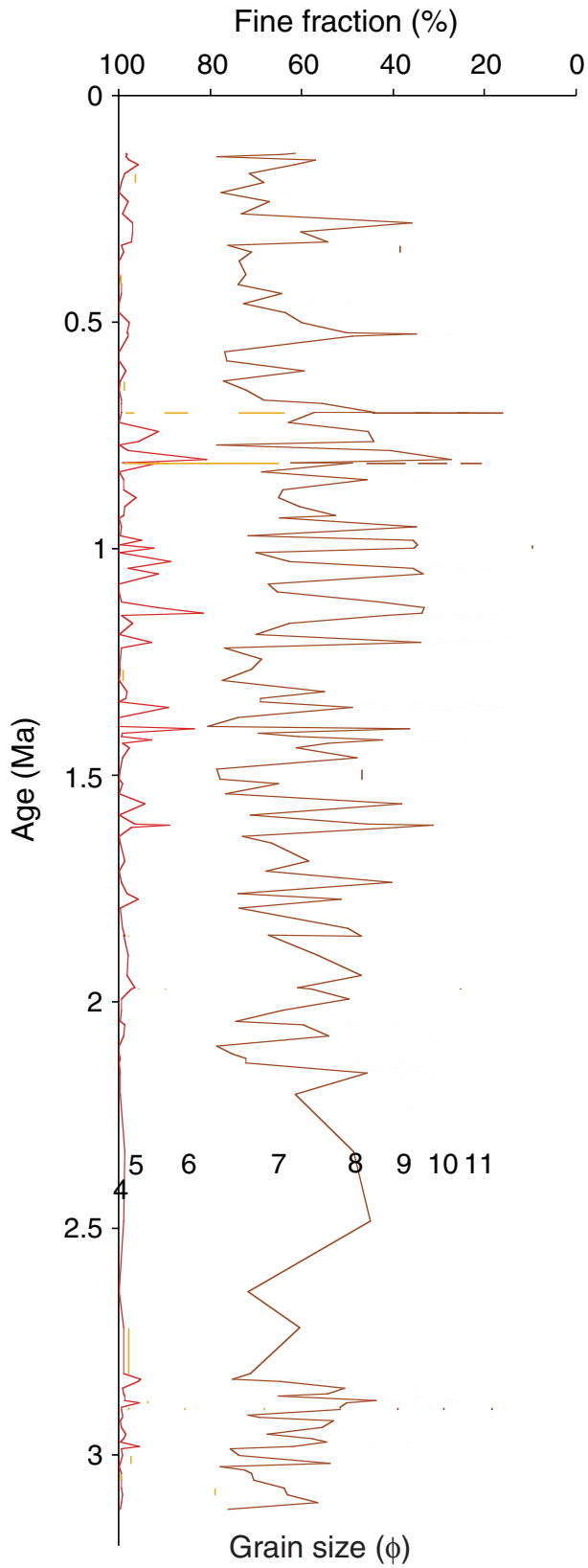


Figure F9. Site 1101 grain-size statistics. A. Median diameter. B. Modal size. Not all samples have a well-defined mode. C. Sorting. D. Skewness.

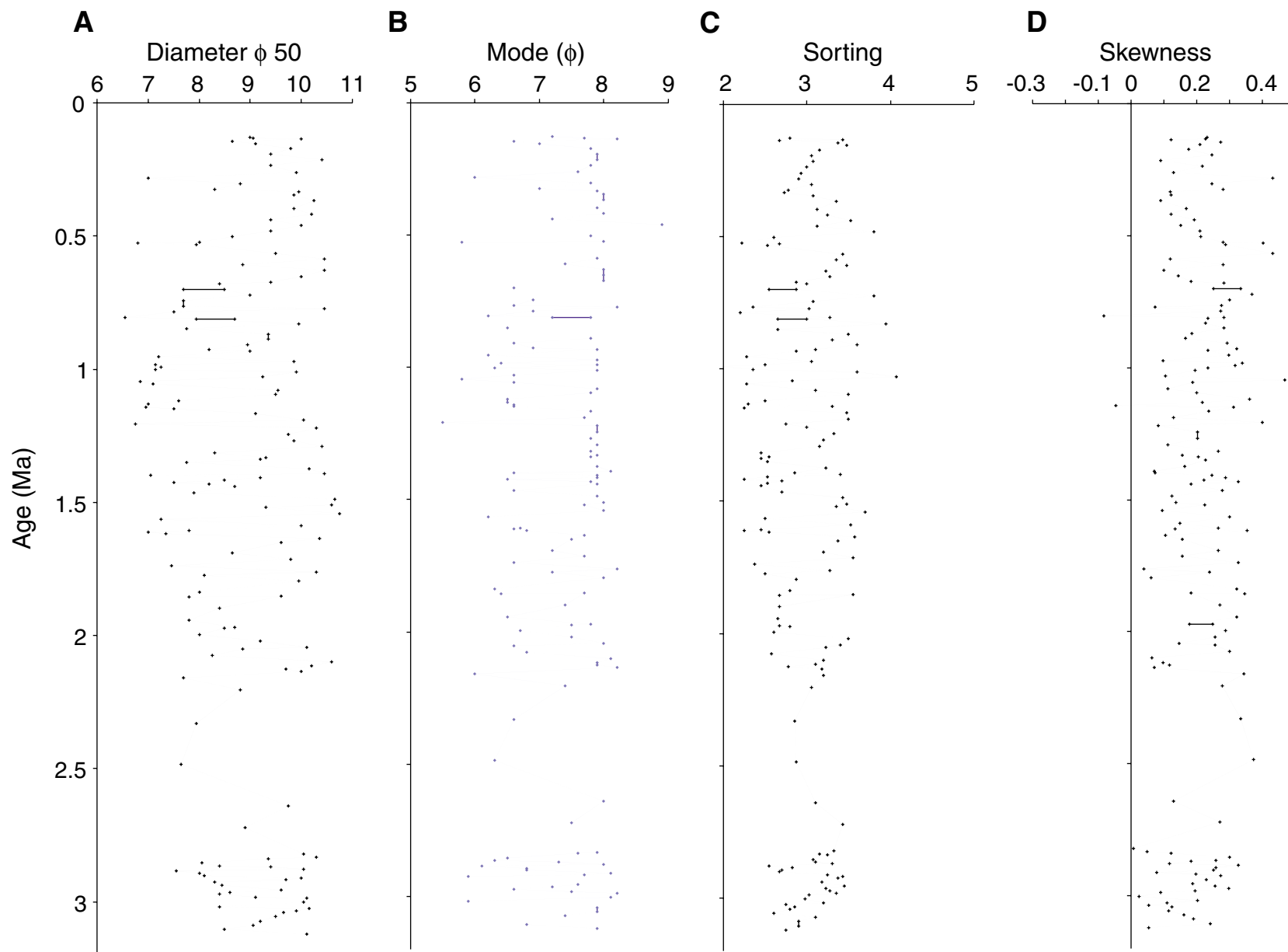


Figure F10. Frequency histograms of median diameter and mode for the three sites.

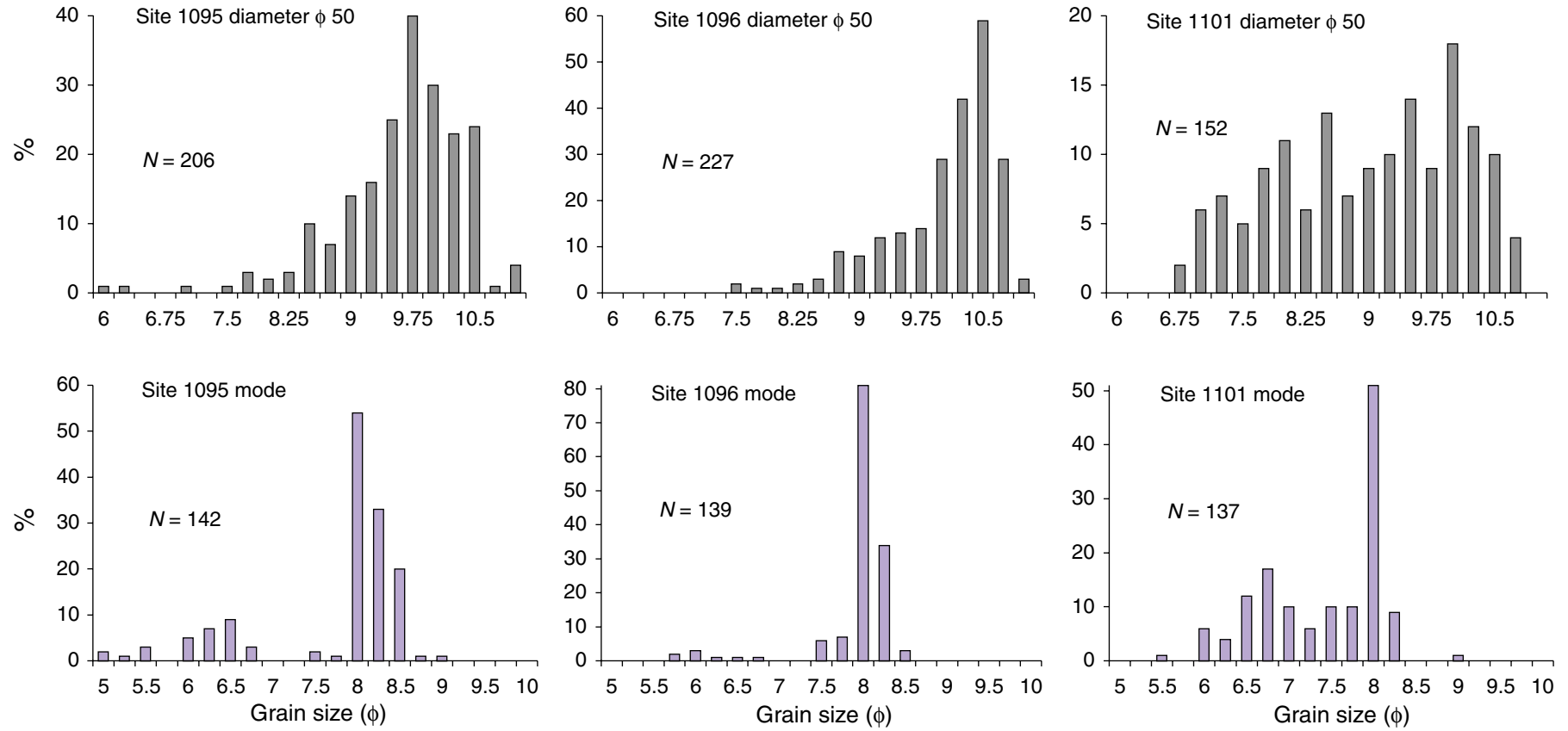


Table T1. Diatom percentages, Site 1095.

Depth (mbsf)	Age (Ma)	Diatoms (%)	Depth (mbsf)	Age (Ma)	Diatoms (%)	Depth (mbsf)	Age (Ma)	Diatoms (%)
0.00	0.000		52.89	1.599	6	152.10	4.701	25
0.90	0.041	2	54.39	1.633	7	153.59	4.735	0
1.66	0.076	5	55.89	1.667	4.5	155.09	4.769	14
2.12	0.097	10	57.39	1.701	8	156.60	4.803	19
2.59	0.118	1	58.79	1.733	8	158.10	4.836	16
3.41	0.155	2	60.20	1.766	6	158.69	4.850	10
4.41	0.201	9	61.70	1.842	6	159.90	4.877	28
4.59	0.209	34	63.20	1.925	10	161.40	4.911	27
4.69	0.214	14	64.10	1.975	8	163.00	4.947	29
4.79	0.218	5	65.60	2.058	9	165.92	5.013	14
4.94	0.225	2	67.10	2.140	7	167.41	5.058	51
5.09	0.232	10.5	68.00	2.190	7	168.19	5.079	24
5.32	0.242	6	69.31	2.262	12	169.30	5.109	22
5.49	0.250	8	71.00	2.356	12	170.80	5.149	30
5.59	0.255	12	71.87	2.404	7	172.30	5.189	23
5.69	0.259	20	73.27	2.481	9	173.20	5.213	45
5.80	0.264	21	74.81	2.566	11	173.80	5.229	16
5.90	0.269	17	77.02	2.688	15	175.30	5.270	20
6.04	0.275	5	78.77	2.784	17	176.80	5.310	23
6.34	0.289	4	79.02	2.798	14	177.63	5.332	19
6.64	0.303	4	79.14	2.805	10	179.27	5.259	30
6.94	0.316	4.5	79.27	2.812	22	185.24	5.384	14
7.25	0.330	6	79.44	2.821	14	188.31	5.448	10
7.54	0.344	10	79.59	2.830	12	192.90	5.543	20
7.84	0.357	13.6	79.81	2.842	14	198.13	5.652	10
8.19	0.373	0.5	80.07	2.856	20	201.79	5.728	18
10.02	0.456	0.5	80.45	2.877	21	205.19	5.799	15
10.20	0.465	3	80.83	2.898	17	207.80	5.854	16
11.36	0.518	3	81.19	2.918	20	210.36	5.907	18
12.33	0.562	0	81.34	2.926	16	215.19	6.012	14
15.09	0.687	0	81.47	2.933	8	216.38	6.037	15
15.56	0.709	9	81.65	2.943	15	217.80	6.068	14
16.52	0.753	6	81.81	2.952	23	226.73	6.178	8
17.67	0.802	7	82.05	2.965	15	235.99	6.244	10
19.33	0.859	0	82.82	3.008	17	236.20	6.246	11
22.49	0.968	0	84.67	3.079	27	236.39	6.247	30
24.01	1.000	0	87.04	3.152	25	236.59	6.248	21
25.00	1.012	0	84.98	3.089	14	236.79	6.250	47
25.95	1.024	7	88.85	3.207	17	237.00	6.251	3
26.99	1.036	2	90.24	3.250	22	237.19	6.253	10
27.76	1.046	10	91.92	3.302	21	237.39	6.254	10
28.54	1.055	3	94.20	3.372	25	237.99	6.258	10
31.10	1.101	1	95.36	3.407	17	238.57	6.263	11
31.50	1.110	2	96.75	3.450	20	239.08	6.266	11
31.90	1.119	0.5	98.19	3.494	22	239.29	6.268	12
32.30	1.128	2	99.87	3.546	18	239.68	6.274	7
32.80	1.140	0	104.09	3.654	21	240.09	6.280	7
33.10	1.147	0	107.72	3.740	24	240.74	6.291	7
33.53	1.156	0	109.23	3.776	23	242.53	6.320	23
33.88	1.164	0	111.40	3.828	45	244.03	6.344	13
34.27	1.173	0	114.28	3.896	27	246.30	6.381	14
34.70	1.183	0	116.51	3.949	22	248.64	6.419	6
35.00	1.190	0	118.34	3.993	27	250.49	6.449	10
35.39	1.199	0	120.24	4.038	28	252.33	6.479	18
35.80	1.208	0	122.08	4.082	25	264.91	6.643	8
36.09	1.215	2	126.44	4.183	35	268.10	6.678	12
36.34	1.221	0	133.38	4.270	39	269.44	6.692	14
40.76	1.322	0	135.17	4.296	52	271.44	6.714	7
41.80	1.345	0	138.95	4.415	48	274.88	6.751	12
43.69	1.388	0	142.87	4.515	25	276.67	6.770	15
44.91	1.416	0	144.22	4.540	29	281.14	6.818	10.5
46.78	1.459	6	145.38	4.562	32	284.74	6.857	15
47.95	1.486	2	146.67	4.586	27	292.70	6.944	12
50.06	1.534	8	148.16	4.614	41	297.23	7.003	13
51.39	1.564	4	149.07	4.633	26	300.25	7.042	10
51.90	1.576	8	150.60	4.668	20			

Table T2. Fine-fraction (>4 φ) size distribution, Site 1095. (See table notes. Continued on next three pages.)

Core	Depth (mbsf)	Age (Ma)	Grain size (φ)							
			4	5	6	7	8	9	10	11
178-1095A-										
1H	0.90	0.041	99.86	99.86	98.94	92.71	80.85	67.56	56.11	43.64
1H	1.66	0.076	98.20	97.02	94.17	87.79	75.22	59.71	47.33	34.17
1H	2.12	0.097	94.30	92.69	89.76	79.37	61.80	46.21	33.92	23.53
1H	2.59	0.118	87.70	85.93	80.27	71.15	59.74	48.32	38.85	28.76
1H	3.41	0.155	99.20	99.20	98.08	93.69	83.40	69.33	57.91	47.51
1H	4.41	0.201	93.50	91.54	88.73	78.07	62.83	48.25	36.56	25.53
178-1095D-										
1H	4.59	0.209	92.10	91.08	87.21	77.80	62.66	48.54	37.19	27.32
1H	4.69	0.214	92.80	92.80	91.56	84.39	68.62	54.57	43.87	35.65
1H	4.79	0.218	92.40	92.12	88.75	81.45	68.43	55.33	45.03	35.57
1H	4.94	0.225	90.20	88.57	86.76	81.42	71.47	59.26	49.13	40.53
1H	5.09	0.232	90.70	89.24	87.50	81.47	69.21	56.96	46.54	37.30
1H	5.32	0.242	96.00	94.64	91.73	83.96	70.37	56.69	45.72	36.40
1H	5.49	0.250	97.70	96.32	91.70	81.66	65.82	51.75	42.60	33.65
1H	5.59	0.255	98.00	97.50	95.12	84.09	67.49	52.78	42.14	32.80
1H	5.69	0.259	95.20	95.20	92.01	81.46	64.63	50.12	39.47	29.31
1H	5.80	0.264	94.30	93.91	92.93	85.50	71.31	56.64	45.98	36.00
1H	5.90	0.269	95.00	94.41	93.63	85.97	71.94	57.80	47.40	37.00
1H	6.04	0.275	96.20	95.33	92.51	85.12	73.66	60.83	50.24	40.52
1H	6.34	0.289	97.00	96.90	96.00	89.10	77.40	63.70	53.60	42.10
1H	6.64	0.303	97.40	97.01	92.99	84.48	72.34	59.52	49.34	40.53
1H	6.94	0.316	84.50	83.98	83.37	78.53	67.88	55.41	45.97	37.14
1H	7.25	0.330	96.40	95.04	91.74	83.78	70.29	56.79	46.60	36.70
1H	7.54	0.344	97.10	95.84	91.85	81.92	66.84	53.80	43.69	34.25
1H	7.84	0.357	96.00	94.45	91.05	81.15	66.10	53.19	43.00	34.46
1H	8.19	0.373	97.50	96.33	93.00	84.87	72.73	60.40	49.92	40.92
2H	10.02	0.456	97.70	96.91	94.15	87.26	74.56	61.75	51.21	41.46
2H	10.39	0.473	95.30	95.30	94.02	87.81	75.69	62.78	53.42	43.17
2H	10.84	0.494	90.50	90.50	89.48	85.20	72.10	56.49	44.60	33.08
2H	11.89	0.542	94.50	93.83	90.38	82.23	69.49	56.35	46.10	36.90
2H	12.34	0.562	96.90	96.90	95.39	88.85	75.87	62.08	52.63	42.36
2H	12.92	0.589	99.10	99.10	96.38	89.13	77.65	64.46	54.79	44.62
2H	13.30	0.606	97.70	96.82	94.07	84.44	71.48	58.82	49.19	40.16
2H	13.84	0.631	99.40	98.50	95.40	87.61	75.52	62.24	52.05	42.56
2H	14.39	0.656	99.00	98.60	96.09	87.97	75.13	62.29	52.46	43.13
178-1095A-										
3H	15.09	0.687	88.00	87.03	84.20	78.45	67.75	56.25	47.05	38.21
3H	15.11	0.688	96.40	96.01	93.39	86.20	74.92	62.00	51.80	42.18
3H	15.56	0.709	97.40	97.40	96.10	87.57	71.12	54.17	41.63	29.79
3H	16.52	0.753	97.80	97.80	97.40	93.41	80.55	65.50	53.74	43.97
3H	17.67	0.802	95.30	95.30	94.42	88.04	73.73	57.85	45.39	32.94
3H	19.33	0.859	97.80	97.41	94.85	84.63	72.64	61.14	51.41	42.17
4H	22.49	0.968	97.70	97.50	94.36	87.89	75.92	63.96	53.66	45.02
4H	24.01	1.000	93.50	92.18	86.34	77.19	66.45	55.61	46.56	38.08
4H	25.00	1.012	95.50	95.50	94.63	92.59	83.94	70.82	59.75	50.13
4H	25.95	1.024	97.50	96.42	93.29	84.77	68.52	52.57	39.84	27.12
4H	26.99	1.036	87.70	85.45	82.25	75.84	63.46	50.82	40.69	32.38
4H	27.76	1.046	93.20	91.51	86.06	75.07	59.00	44.35	33.45	23.30
4H	28.54	1.055	95.30	93.96	89.29	80.70	66.68	52.85	42.26	32.34
5H	31.10	1.101	96.20	96.10	95.70	88.56	69.10	49.84	36.34	24.22
5H	31.50	1.110	90.20	88.83	84.90	73.68	56.15	40.81	29.58	21.36
5H	31.90	1.119	91.10	89.17	86.04	77.40	64.53	50.84	39.44	29.23
5H	32.30	1.128	92.10	92.10	90.84	81.65	65.98	50.40	38.70	28.83
5H	32.80	1.140	99.30	99.10	95.49	86.36	74.63	63.09	52.76	43.83
5H	33.10	1.147	96.40	96.01	93.07	84.85	73.79	61.66	50.89	41.30
5H	33.53	1.156	97.30	95.63	89.66	77.80	62.42	49.19	38.70	29.98
5H	33.88	1.164	98.90	98.60	96.39	86.45	73.20	60.44	49.90	38.96
5H	34.27	1.173	99.30	98.90	97.50	91.39	80.08	66.67	55.06	44.54
5H	34.70	1.183	97.50	97.01	95.23	88.71	76.76	63.62	52.65	41.98
5H	35.00	1.190	95.40	95.40	93.65	87.31	77.37	65.29	54.96	44.73
5H	35.39	1.199	95.20	94.53	90.96	83.83	73.23	60.51	49.14	38.74
5H	35.80	1.208	99.70	99.40	95.45	86.14	72.88	59.42	48.99	38.46
5H	36.09	1.215	93.30	91.98	84.42	69.69	51.47	36.83	27.01	19.74
5H	36.34	1.221	99.20	98.19	88.17	73.49	61.44	50.31	40.89	32.59
6H	40.76	1.322	93.80	91.91	89.56	84.47	76.27	65.05	54.87	44.68
6H	41.80	1.345	85.50	84.45	80.24	74.10	64.80	53.49	44.37	35.78

Table T2 (continued).

Core	Depth (mbsf)	Age (Ma)	Grain size (φ)							
			4	5	6	7	8	9	10	11
6H	43.69	1.388	90.90	88.22	82.59	75.29	63.83	52.01	43.14	34.09
6H	44.91	1.416	99.90	99.90	97.48	90.22	78.43	65.22	54.54	44.05
6H	46.78	1.459	86.70	86.17	83.45	78.61	69.38	56.89	45.90	34.38
6H	47.95	1.486	99.85	99.75	96.62	89.35	77.23	64.41	53.61	42.61
7H	50.06	1.534	99.80	96.02	84.29	68.37	56.02	45.31	36.74	27.70
7H	51.39	1.564	99.80	90.67	73.50	59.08	48.35	39.87	32.91	25.81
7H	51.90	1.576	99.90	99.70	96.89	87.78	74.85	61.92	51.10	40.08
7H	52.89	1.599	89.30	87.94	84.05	76.26	64.85	52.62	42.02	31.70
178-1095D-										
6H	53.41	1.599	99.80	99.80	97.79	90.65	78.19	64.42	53.37	42.81
6H	53.67	1.599	99.80	98.59	94.27	86.13	75.38	62.81	52.97	43.52
6H	53.86	1.599	85.90	84.35	81.50	77.53	69.34	58.04	48.38	38.38
6H	54.07	1.599	88.60	87.00	84.60	80.16	70.47	58.83	49.50	40.70
6H	54.26	1.599	95.50	94.54	91.96	86.31	77.32	66.31	56.94	48.61
178-1095A-										
7H	54.39	1.633	97.00	96.70	90.96	78.67	66.38	54.69	44.98	35.87
178-1095D-										
6H	54.46	1.635	98.80	98.01	95.83	90.39	80.88	68.70	58.51	49.10
6H	54.67	1.639	99.50	99.20	96.19	88.05	76.71	63.96	53.41	42.87
6H	54.86	1.644	99.70	99.70	98.88	93.74	82.14	68.08	57.19	46.92
6H	55.06	1.648	98.60	98.60	98.08	91.90	79.85	65.63	54.40	43.58
6H	55.33	1.654	99.70	99.20	95.47	85.59	71.78	59.17	49.30	39.72
178-1095A-										
7H	55.89	1.667	99.85	99.85	96.72	89.95	77.82	63.47	52.25	41.84
7H	57.39	1.701	96.60	90.34	74.19	56.22	44.01	35.83	29.47	23.92
7H	58.79	1.733	84.20	83.01	81.82	76.21	67.53	56.05	45.76	35.30
8H	60.20	1.766	93.85	93.18	87.08	77.35	66.57	55.13	45.59	35.10
8H	61.70	1.842	99.60	99.40	89.41	73.60	61.27	49.85	41.70	32.62
8H	63.20	1.925	88.20	86.50	82.55	75.74	65.16	53.69	44.10	34.33
8H	64.10	1.975	99.70	95.70	82.18	69.88	60.15	49.39	40.99	32.38
8H	65.60	2.058	87.60	86.61	82.11	72.58	59.00	45.51	34.90	23.92
8H	67.10	2.140	95.70	86.68	74.62	67.56	59.62	50.30	43.14	35.50
8H	68.00	2.190	99.40	97.69	92.76	81.49	68.01	56.14	47.29	38.53
9H	69.31	2.262	99.80	99.08	89.34	72.52	57.64	46.46	37.54	27.69
9H	71.00	2.356	99.50	99.09	91.53	78.46	66.09	54.55	44.95	35.86
9H	71.87	2.404	71.90	69.92	64.56	56.57	46.74	37.64	29.64	21.79
9H	73.27	2.481	99.80	98.29	92.13	77.10	63.88	52.88	43.69	34.41
9H	74.81	2.566	99.40	98.29	90.80	82.31	72.50	61.38	51.77	41.66
9H	77.02	2.688	98.60	97.40	88.68	77.86	68.34	57.62	47.90	37.48
10H	78.77	2.784	99.90	98.57	80.21	57.64	45.13	37.13	30.56	24.62
10H	79.02	2.798	99.70	99.40	96.97	89.08	76.95	63.40	52.28	40.75
10H	79.14	2.805	81.90	81.57	78.81	72.31	61.38	49.37	38.78	28.94
10H	79.27	2.812	91.40	89.53	84.77	73.66	57.70	42.48	31.00	20.54
10H	79.44	2.821	93.70	92.09	88.19	80.03	66.07	51.17	39.87	28.48
10H	79.59	2.830	92.00	89.87	84.69	77.56	68.86	56.83	44.52	34.80
10H	79.81	2.842	99.40	96.34	81.15	64.94	53.22	43.43	35.07	27.12
10H	80.07	2.856	99.90	99.90	97.67	87.54	73.76	60.18	47.11	37.69
10H	80.45	2.877	99.75	99.75	94.79	82.23	68.86	56.00	45.77	35.85
10H	80.83	2.898	99.65	99.55	95.23	86.68	75.01	62.44	51.28	42.13
10H	81.19	2.918	91.70	90.95	88.06	80.51	66.14	49.91	37.78	28.55
10H	81.34	2.926	97.50	96.91	92.49	87.19	78.45	66.18	54.69	44.68
10H	81.47	2.933	86.20	85.67	80.75	71.25	55.59	40.02	28.23	18.47
10H	81.65	2.943	96.60	95.12	89.91	78.60	64.43	49.68	38.17	28.13
10H	81.81	2.952	98.50	96.22	90.26	80.03	66.92	53.92	43.49	34.16
10H	82.05	2.965	99.40	98.50	93.58	85.34	73.09	59.54	48.80	37.95
10H	82.82	3.008	99.30	98.90	97.59	88.24	75.38	62.62	52.16	41.61
10H	84.67	3.079	99.65	99.15	93.09	78.77	66.57	55.57	45.59	36.31
10H	87.04	3.152	96.40	95.32	90.03	81.40	68.65	53.05	40.11	29.52
10H	88.85	3.207	95.80	93.60	91.69	87.58	79.26	67.12	54.98	42.93
10H	90.24	3.250	99.60	99.30	97.29	88.97	74.32	61.59	50.55	40.62
10H	91.92	3.302	95.60	94.07	89.97	82.80	69.91	56.54	45.84	34.86
10H	94.20	3.372	95.90	95.13	91.96	83.42	70.94	58.46	48.67	38.97
10H	95.36	3.407	99.60	98.69	93.53	84.84	71.59	56.42	44.29	33.47
10H	96.75	3.450	92.30	90.44	80.31	65.90	53.63	43.69	35.69	28.44
10H	98.19	3.494	99.70	99.70	95.97	87.09	76.19	64.28	54.29	44.50
10H	99.87	3.546	99.70	97.42	93.15	87.50	78.47	65.87	54.86	43.65

Table T2 (continued).

Core	Depth (mbsf)	Age (Ma)	Grain size (φ)							
			4	5	6	7	8	9	10	11
178-1095B-										
3H	104.09	3.654	97.60	95.20	88.31	79.02	66.73	55.44	45.65	35.66
3H	107.72	3.740	99.90	98.50	93.62	81.06	67.60	55.43	45.06	35.09
3H	109.23	3.776	97.10	95.62	89.03	80.77	70.54	58.14	46.83	36.20
3H	111.40	3.828	99.60	98.19	92.87	83.03	69.98	58.03	47.19	37.25
4H	114.28	3.896	100.00	97.90	93.21	81.44	68.76	56.59	46.21	36.33
4H	116.51	3.949	99.90	98.09	85.84	68.17	54.12	44.18	35.74	28.31
4H	118.34	3.993	95.40	94.63	91.94	87.23	77.61	63.95	51.93	39.33
4H	120.24	4.038	98.00	98.00	96.89	92.97	82.02	66.64	54.18	41.91
5H	122.08	4.082	99.80	98.40	90.79	77.68	64.26	52.05	41.94	31.63
5H	126.44	4.183	98.10	96.82	94.65	87.86	75.74	60.97	47.38	34.37
6H	133.38	4.270	100.00	99.90	97.49	88.98	75.45	62.42	51.30	40.48
6H	135.17	4.296	95.70	94.63	90.55	82.68	69.86	54.02	40.90	29.92
6H	138.95	4.415	99.80	98.90	93.21	80.84	67.86	55.29	45.21	35.33
7H	142.87	4.515	100.00	99.59	91.03	75.54	63.30	52.29	43.12	34.35
7H	144.22	4.540	100.00	99.39	95.36	87.59	74.27	60.24	49.65	38.45
7H	145.38	4.562	100.00	99.31	77.20	47.11	31.60	23.73	18.52	14.00
7H	146.67	4.586	100.00	97.52	89.50	75.15	60.79	49.21	40.00	30.59
7H	148.16	4.614	100.00	97.88	94.46	87.70	75.81	61.39	49.29	38.41
7H	149.07	4.633	94.40	94.02	86.31	69.47	54.81	44.35	36.45	28.07
8H	150.60	4.668	93.40	93.21	92.73	89.16	77.59	61.21	46.65	34.89
8H	152.10	4.701	95.50	92.23	84.44	76.84	65.49	52.80	41.93	31.06
8H	153.59	4.735	55.50	31.27	9.55	4.60	3.67	2.91	2.39	1.51
8H	155.09	4.769	99.10	88.10	52.55	34.93	28.01	22.71	18.43	15.18
8H	156.60	4.803	98.80	95.52	86.18	75.44	64.71	53.57	44.43	34.79
8H	158.10	4.836	98.80	98.70	95.60	86.19	73.97	61.36	50.35	39.64
8H	158.69	4.850	99.20	98.80	97.51	91.15	80.51	66.60	53.28	38.96
9H	159.90	4.877	99.80	98.90	91.70	79.30	66.50	54.90	44.80	35.20
9H	161.40	4.911	100.00	98.71	95.32	83.58	69.65	57.61	46.47	35.62
9H	163.00	4.947	99.90	98.59	89.08	75.63	63.30	51.87	41.96	33.77
9H	165.92	5.013	99.40	97.90	88.32	71.56	57.88	47.30	39.32	31.84
9H	167.41	5.058	100.00	99.90	97.37	85.84	72.19	58.95	47.42	36.80
9H	168.19	5.079	99.90	98.80	89.62	74.95	61.38	49.80	39.62	30.94
10H	169.30	5.109	98.10	95.59	92.03	85.09	73.04	59.55	47.60	36.14
10H	170.80	5.149	99.90	99.20	91.16	77.19	64.52	53.47	43.32	33.87
10H	172.30	5.189	99.80	99.60	96.90	85.11	70.43	56.14	45.35	34.37
10H	173.20	5.213	100.00	99.10	97.70	89.30	75.30	60.70	48.30	37.20
10H	173.80	5.229	98.50	98.50	95.91	88.35	77.81	64.67	52.63	40.69
10H	175.30	5.270	100.00	99.29	87.39	71.95	61.55	52.17	44.80	37.03
10H	176.80	5.310	99.84	99.54	98.14	91.15	79.05	64.76	52.27	40.78
10H	177.63	5.332	100.00	98.68	89.57	75.30	63.06	50.91	41.09	30.67
10H	185.24	5.384	99.84	99.64	95.83	86.81	74.38	61.85	50.22	38.89
12H	188.31	5.448	99.70	98.09	86.94	68.74	56.99	47.04	39.40	31.46
12H	192.90	5.543	93.70	92.37	90.76	84.98	73.52	58.83	45.29	34.58
13H	198.13	5.652	93.70	93.51	90.39	78.40	65.93	54.31	44.58	35.42
13H	201.79	5.728	98.70	97.51	95.93	90.39	78.72	62.50	49.25	37.78
14X	205.19	5.799	97.70	97.01	92.46	84.36	73.00	58.98	46.43	34.77
14X	207.80	5.854	100.00	98.89	94.25	84.66	71.14	58.53	47.63	35.82
14X	210.36	5.907	91.70	91.33	89.02	83.58	72.33	57.94	45.67	34.04
15X	215.19	6.012	93.20	90.21	85.25	80.38	71.68	60.45	49.31	38.74
15X	216.38	6.037	99.90	99.40	91.84	80.87	69.39	57.60	47.03	37.56
15X	217.80	6.068	93.50	92.66	90.12	85.15	76.24	62.65	49.33	36.11
16X	226.73	6.178	100.00	99.90	97.38	88.62	75.63	62.13	50.35	38.27
17X	236.00	6.244	99.90	99.39	98.59	90.50	77.25	63.30	51.47	39.74
17X	236.21	6.246	99.90	99.09	96.06	83.13	68.38	54.34	43.94	32.73
17X	236.40	6.247	97.40	97.30	93.26	86.07	71.89	55.84	44.32	32.50
17X	236.60	6.248	93.60	91.34	82.13	71.70	59.96	47.65	37.40	29.54
17X	236.80	6.250	98.40	98.40	96.18	91.44	79.93	65.50	52.88	40.87
17X	237.01	6.251	96.80	95.20	83.20	67.30	54.00	42.50	34.50	23.90
17X	237.20	6.253	99.90	98.26	89.66	78.61	67.04	55.27	46.47	35.62
17X	237.40	6.254	99.90	98.16	80.15	60.39	48.82	40.02	32.34	24.67
17X	238.00	6.258	99.80	99.80	98.76	93.16	80.30	66.19	54.15	41.39
17X	238.58	6.263	99.80	97.60	88.22	72.65	58.78	46.01	36.03	25.35
17X	239.09	6.266	99.90	99.90	95.96	86.16	73.64	58.79	46.06	34.04
17X	239.30	6.268	97.10	95.81	90.35	82.90	70.89	57.58	46.76	36.24
17X	239.69	6.274	88.70	85.28	75.30	65.60	56.36	47.40	39.64	31.51
17X	240.10	6.280	99.40	97.89	94.27	84.83	72.06	59.50	48.04	36.68
17X	240.75	6.291	99.90	99.90	95.33	80.49	67.07	53.96	42.07	30.79
17X	242.54	6.320	97.60	95.34	93.18	85.52	73.05	58.42	47.33	35.74

Table T2 (continued).

Core	Depth (mbsf)	Age (Ma)	Grain size (ϕ)							
			4	5	6	7	8	9	10	11
18X	244.03	6.344	98.30	90.88	75.03	64.40	55.17	45.24	36.51	27.99
18X	246.30	6.381	100.00	98.89	92.13	78.91	66.90	55.50	45.81	36.83
18X	248.64	6.419	100.00	99.60	96.39	87.45	75.70	64.26	53.21	41.97
18X	250.49	6.449	100.00	99.00	93.99	83.57	71.24	59.42	47.49	35.47
18X	252.33	6.479	75.80	71.42	64.58	57.66	48.28	38.98	31.06	23.75
20X	264.91	6.643	88.40	81.78	71.04	63.35	54.94	45.45	37.13	28.27
20X	268.10	6.678	99.90	98.49	93.86	81.97	68.68	56.40	45.32	34.24
20X	269.44	6.692	86.50	78.50	71.20	62.77	54.06	44.74	36.04	27.87
20X	271.44	6.714	99.80	99.80	97.17	88.69	75.66	61.92	49.09	36.57
21X	274.88	6.751	99.90	99.50	97.89	91.36	80.20	67.84	56.08	43.72
21X	276.67	6.770	96.00	84.07	68.73	58.75	50.44	41.84	33.92	27.18
21X	281.14	6.818	100.00	99.50	94.55	82.85	69.83	56.81	45.31	35.02
22X	284.74	6.857	100.00	98.39	96.49	85.24	71.29	58.33	46.99	36.04
23X	292.70	6.944	100.00	99.70	96.18	86.65	74.10	62.85	52.31	42.07
23X	297.23	7.003	99.90	99.90	97.57	87.44	73.96	59.37	47.82	36.58
23X	300.25	7.042	100.00	99.70	98.09	90.64	76.26	61.37	48.29	35.41

Notes: Fine fraction = percentage finer than each 1- ϕ interval. Sand percentage can be obtained by subtracting the value in the 4- ϕ column from 100.

Table T3. Median diameter, mode, sorting, and skewness, Site 1095. (Continued on next page.)

Core	Depth (mbsf)	Age (Ma)	Diameter ϕ 50	Sorting	Skewness	Mode (ϕ)
178-1095A-						
1H	0.90	0.041	10.5	2.75	0.018	8
1H	1.66	0.076	9.8	2.5	0.040	8.1
1H	2.12	0.097	8.75	2.55	0.176	7.6
1H	2.59	0.118	8.85	3.4	0.015	7.9
1H	3.41	0.155	10.75	2.975	0.059	
1H	4.41	0.201	8.9	2.65	0.113	7.8
178-1095D-						
1H	4.59	0.209	8.9	2.85	0.140	7.9
1H	4.69	0.214	9.4	3.175	0.260	7.9
1H	4.79	0.218	9.5	3.15	0.143	8
1H	4.94	0.225	9.9	3.6	0.083	8.1
1H	5.09	0.232	9.6	3.3	0.106	7.9
1H	5.32	0.242	9.55	3.1	0.177	8
1H	5.49	0.250	9.2	3.075	0.220	7.9
1H	5.59	0.255	9.25	2.9	0.224	7.8
1H	5.69	0.259	9	2.75	0.200	7.8
1H	5.80	0.264	9.6	2.9	0.155	8
1H	5.90	0.269	9.7	2.95	0.153	8
1H	6.04	0.275	10.05	3.2	0.078	8
1H	6.34	0.289	10.3	2.925	0.060	8.1
1H	6.64	0.303	9.95	3.325	0.128	8.2
1H	6.94	0.316	9.55	4.175	-0.090	7.9
1H	7.25	0.330	9.65	3.1	0.145	7.8
1H	7.54	0.344	9.35	3.075	0.187	7.8
1H	7.84	0.357	9.3	3.225	0.225	8
1H	8.19	0.373	10	3.325	0.128	8
178-1095D-						
2H	10.02	0.456	10.1	3.175	0.118	7.9
2H	10.39	0.473	10.35	3.2	0.078	8.1
2H	10.84	0.494	9.5	2.675	0.121	8.1
2H	11.89	0.542	9.6	3.3	0.152	7.9
2H	12.34	0.562	10.25	3.125	0.104	8.4
2H	12.92	0.589	10.45	3.2	0.078	7.9
2H	13.30	0.606	9.9	3.3	0.136	8.2
2H	13.84	0.631	10.2	3.225	0.116	8
2H	14.39	0.656	10.3	3.25	0.092	8.1
178-1095A-						
3H	15.09	0.687	9.65	3.725	0.047	7.9
3H	15.11	0.688	10.2	3.275	0.099	
3H	15.56	0.709	9.3	2.45	0.184	8
3H	16.52	0.753	10.35	3.025	0.157	8.1
3H	17.67	0.802	9.6	2.55	0.098	8
3H	19.33	0.859	10.15	3.375	0.081	
4H	22.49	0.968	10.4	3.425	0.109	7.9
4H	24.01	1.000	9.6	3.725	0.101	
4H	25.00	1.012	11	3.1	0.032	8.4
4H	25.95	1.024	9.2	2.55	0.157	8
4H	26.99	1.036	9.1	3.825	0.085	8
4H	27.76	1.046	8.22	2.725	0.277	7.9
4H	28.54	1.055	9.3	2.95	0.119	7.9
5H	31.10	1.101	9	2.2	0.205	7.9
5H	31.50	1.110	8.35	2.775	0.207	7.9
5H	31.90	1.119	9.1	3	0.067	8.3
5H	32.30	1.128	9	2.8	0.214	7.9
5H	32.80	1.140	10.3	3.45	0.101	
5H	33.10	1.147	10.1	3.275	0.084	
5H	33.53	1.156	8.9	3.025	0.223	7.5
5H	33.88	1.164	10	2.95	0.051	
5H	34.27	1.173	10.45	3.05	0.098	8.2
5H	34.70	1.183	10.25	3.05	0.082	8.2
5H	35.00	1.190	10.5	3.2	0.031	8.2
5H	35.39	1.199	9.95	3.05	0.033	8.4
5H	35.80	1.208	9.9	3	0.100	8
5H	36.09	1.215	8.1	2.625	0.219	7.5
5H	36.34	1.221	9	3.35	0.194	6.3
6H	40.76	1.322	10.45	3.35	0.000	8.1
6H	41.80	1.345	9.4	4.1	-0.049	8.3
178-1095D-						
6H	43.69	1.388	9.15	3.725	0.101	8.3
6H	44.91	1.416	10.45	3	0.067	7.9
6H	46.78	1.459	9.6	3.425	-0.080	8.1
6H	47.95	1.486	10.5	2.95	-0.017	8
7H	50.06	1.534	8.5	3.225	0.225	6.4
7H	51.39	1.564	7.75	3.625	0.352	5.5
7H	51.90	1.576	10.1	2.975	0.059	8
7H	52.89	1.599	9.2	3.225	0.023	8.1
178-1095D-						
6H	53.41	1.599	10.3	2.95	0.085	8.1
6H	53.67	1.599	10.3	3.35	0.075	8.3
6H	53.86	1.599	9.9	4.05	-0.160	8.4
6H	54.07	1.599	9.95	3.8	0.026	8.2
6H	54.26	1.599	10.8	3.5	0.000	8.1
178-1095A-						
7H	54.39	1.633	9.5	3.3	0.121	
178-1095D-						
6H	54.46	1.635	10.9	3.25	0.031	8.1
6H	54.67	1.639	10.3	3.125	0.072	8.2
6H	54.86	1.644	10.85	3.1	0.048	8.1
6H	55.06	1.648	10.4	2.925	0.094	8.1
6H	55.33	1.654	9.95	3.225	0.116	7.8
6H	55.89	1.667	10.25	2.975	0.092	8.3
6H	57.39	1.701	7.45	3.375	0.407	6.2
6H	58.79	1.733	9.6	4.25	-0.224	
8H	60.20	1.766	9.55	3.3	0.015	
8H	61.70	1.842	9	3.275	0.191	6.3
8H	63.20	1.925	9.4	3.6	-0.014	
8H	64.10	1.975	8.95	3.575	0.133	5.8
8H	65.60	2.058	8.65	3.025	0.025	8
8H	67.10	2.140	9.05	4.2	0.083	4.9
8H	68.00	2.190	9.7	3.35	0.134	7.9
9H	69.31	2.262	8.65	3	0.233	6.7
9H	71.00	2.356	9.45	3.275	0.130	
9H	71.87	2.404	7.7	5.9	-0.305	7.8
9H	73.27	2.481	9.3	3.275	0.160	6.5
9H	74.81	2.566	10.15	3.35	0.015	
9H	77.02	2.688	9.8	3.375	0.007	
10H	78.77	2.784	7.6	3.25	0.462	6
10H	79.02	2.798	10.2	2.9	0.069	8.1
10H	79.14	2.805	8.95	4.7	-0.266	8.2
10H	79.27	2.812	8.5	2.675	0.103	7.8
10H	79.44	2.821	9.1	2.775	0.117	8.3
10H	79.59	2.830	9.55	3.4	-0.015	9
10H	79.81	2.842	8.3	3.225	0.240	5.9
10H	80.07	2.856	9.75	3.025	0.174	
10H	80.45	2.877	9.6	3.075	0.106	
10H	80.83	2.898	10.1	3.275	0.130	8.5
10H	81.19	2.918	9	2.775	0.171	8.4
10H	81.34	2.926	10.45	3.15	0.032	
10H	81.47	2.933	8.35	2.9	0.000	8
10H	81.65	2.943	9	2.85	0.158	8.1
10H	81.81	2.952	9.35	3.125	0.152	8
10H	82.05	2.965	9.9	2.95	0.068	8.3
10H	82.82	3.008	10.2	3.025	0.058	
10H	84.67	3.079	9.55	3.275	0.115	6.6
10H	87.04	3.152	9.2	2.725	0.119	8
10H	88.85	3.207	10.4	2.85	0.000	
10H	90.24	3.250	10.05	3.025	0.124	7.8
10H	91.92	3.302	9.55	2.975	0.109	7.9
178-1095B-						
2H	94.20	3.372	9.8	3.2	0.109	8
2H	95.36	3.407	9.5	2.75	0.127	8.2
2H	96.75	3.450	8.3	3.45	0.275	6
2H	98.19	3.494	10.4	3.25	0.046	8.1
2H	99.87	3.546	10.45	3.075	0.024	8.6
3H	104.09	3.654	9.55	3.25	0.062	7.8

Table T3 (continued).

Core	Depth (mbsf)	Age (Ma)	Diameter ϕ 50	Sorting	Skewness	Mode (ϕ)
3H	107.72	3.740	9.55	3.075	0.106	
3H	109.23	3.776	9.7	3.15	0.016	
3H	111.40	3.828	9.7	3.125	0.120	7.9
4H	114.28	3.896	9.6	3.15	0.095	
4H	116.51	3.949	8.35	3.15	0.286	6.1
4H	118.34	3.993	10.15	2.725	0.009	8.3
4H	120.24	4.038	10.3	2.625	0.067	8.2
5H	122.08	4.082	9.2	3.05	0.115	
5H	126.44	4.183	9.8	2.5	0.040	
6H	133.38	4.270	10.15	2.95	0.068	7.8
6H	135.17	4.296	9.3	2.725	0.101	8.2
6H	138.95	4.415	9.5	3.1	0.113	
7H	142.87	4.515	9.2	3.35	0.194	6.6
7H	144.22	4.540	10	2.9	0.069	7.9
7H	145.38	4.562	6.85	2.4	0.563	6.1
7H	146.67	4.586	8.95	3.1	0.177	
7H	148.16	4.614	9.95	2.85	0.105	
7H	149.07	4.633	8.5	3.175	0.260	6.4
8H	150.60	4.668	9.75	2.525	0.149	
8H	152.10	4.701	9.25	3.15	-0.016	
8H	153.59	4.735	4.4	2.775		4.9
8H	155.09	4.769	6.1	2.825	0.664	5.4
8H	156.60	4.803	9.4	3.4	0.059	
8H	158.10	4.836	10	3	0.067	
8H	158.69	4.850	10.05	2.475	0.071	
9H	159.90	4.877	9.5	3.15	0.095	
9H	161.40	4.911	9.7	2.9	0.069	
9H	163.00	4.947	9.2	3.475	0.180	6.1
9H	165.92	5.013	8.7	3.475	0.295	6.4
9H	167.41	5.058	9.8	2.85	0.088	
9H	168.19	5.079	9	3.2	0.188	6.4
10H	169.30	5.109	9.8	2.825	0.044	
10H	170.80	5.149	9.3	3.175	0.134	
10H	172.30	5.189	9.55	2.825	0.133	
10H	173.20	5.213	9.85	2.75	0.109	8.1
10H	173.80	5.229	10.2	2.8	0.036	
10H	175.30	5.270	9.3	3.7	0.162	6.4
10H	176.80	5.310	10.2	2.75	0.055	8.4
10H	177.63	5.332	9.1	3.05	0.098	6.1
11H	179.27	5.259	10.55	2.5	0.060	
11H	185.24	5.384	10	2.9	0.052	
12H	188.31	5.448	8.7	3.375	0.244	6.1

Core	Depth (mbsf)	Age (Ma)	Diameter ϕ 50	Sorting	Skewness	Mode (ϕ)
12H	192.90	5.543	9.65	2.75	0.109	
13H	198.13	5.652	9.45	3.2	0.109	
13H	201.79	5.728	9.9	2.625	0.143	8.3
14X	205.19	5.799	9.7	2.8	0.054	8.2
14X	207.80	5.854	9.8	2.8	0.036	
14X	210.36	5.907	9.6	2.8	0.071	8.5
15X	215.19	6.012	9.95	3.425	-0.066	
15X	216.38	6.037	9.7	3.275	0.084	
15X	217.80	6.068	9.95	2.65	-0.038	
16X	226.73	6.178	10	2.7	0.037	
17X	236.00	6.244	10.15	2.75	0.055	
17X	236.21	6.246	9.4	2.775	0.117	
17X	236.40	6.247	9.5	2.6	0.115	8.3
17X	236.60	6.248	8.8	3.075	0.041	
17X	236.80	6.250	10.25	2.675	0.065	
17X	237.01	6.251	9.3	2.925	-0.145	6.1
17X	237.20	6.253	9.55	3.2	0.047	
17X	237.40	6.254	7.9	3.15	0.349	6
17X	238.00	6.258	10.3	2.65	0.038	8.1
17X	238.58	6.263	8.65	2.825	0.150	6.3
17X	239.09	6.266	9.65	2.65	0.075	
17X	239.30	6.268	9.7	2.975	0.059	8.3
17X	239.69	6.274	8.7	3.95	0.089	
17X	240.10	6.280	9.8	2.85	0.053	
17X	240.75	6.291	9.35	2.775	0.063	
17X	242.54	6.320	9.7	2.75	0.091	8.4
18X	244.03	6.344	8.55	3.475	0.094	5.3
18X	246.30	6.381	9.55	3.325	0.128	
18X	248.64	6.419	10.3	3	0.033	
18X	250.49	6.449	9.75	2.825	0.027	
18X	252.33	6.479	7.8	6.05	-0.289	
20X	264.91	6.643	8.5	3.825	0.020	
20X	268.10	6.678	9.6	2.875	0.043	
20X	269.44	6.692	8.45	4	-0.012	
20X	271.44	6.714	9.8	2.6	0.077	
21X	274.88	6.751	10.5	2.8	0.000	
21X	276.67	6.770	8.05	3.725	0.181	5.1
21X	281.14	6.818	9.6	2.925	0.077	
22X	284.74	6.857	9.7	2.85	0.088	
23X	292.70	6.944	10.25	3.15	0.048	
23X	297.23	7.003	9.8	2.725	0.083	8.2
23X	300.25	7.042	9.85	2.475	0.051	8

Table T4. Diatom percentage, Site 1096.

Hole	Depth (mbsf)	Age (Ma)	Diatoms (%)	Hole	Depth (mbsf)	Age (Ma)	Diatoms (%)	Hole	Depth (mbsf)	Age (Ma)	Diatoms (%)
178-1096A-					77.60	1.037	0		111.15	1.414	2
	0.00	0.000			79.88	1.063	0		111.56	1.419	0
	7.89	0.113	1		80.27	1.067	0		112.08	1.425	0
	8.30	0.119	0.5		80.58	1.071	0		112.49	1.429	0
	8.80	0.126	0.5		80.87	1.074	0		112.89	1.434	0
	9.29	0.133	0.5		81.16	1.077	0		113.29	1.438	0
	9.79	0.140	0.5		81.45	1.081	1		113.69	1.443	0
	10.31	0.147	0.5		81.83	1.085	3		115.30	1.461	0
	10.80	0.154	1		82.05	1.087	1		136.50	1.699	2
	11.29	0.161	0.5		83.13	1.100	0		137.20	1.707	0
	11.80	0.169	0.5		87.09	1.144	0		137.30	1.708	0
	12.29	0.176	0.5		94.49	1.227	4		137.40	1.709	0
	12.79	0.183	4		97.39	1.260	4		137.50	1.710	0
	13.29	0.190	7		98.88	1.276	2		137.60	1.712	0
	13.53	0.193	5		100.40	1.294	1		137.70	1.713	0
	13.95	0.199	3		122.80	1.545	0		138.00	1.716	2.5
	14.49	0.207	2		123.56	1.554	0		139.50	1.733	0.5
	15.00	0.214	5		125.72	1.578	0		141.00	1.750	0
	15.49	0.221	2		128.70	1.612	0		142.50	1.767	0.5
	15.90	0.227	14		132.02	1.649	9		143.40	1.777	0
	16.46	0.235	3		134.23	1.674	13		144.60	1.790	3.5
	18.50	0.264	0.5		134.75	1.680	4.5		146.10	1.807	5
	19.00	0.271	2		137.75	1.713	0		147.60	1.824	5
	19.50	0.279	2	178-1096B-					149.10	1.841	3
	20.00	0.286	4		71.14	0.965	0		150.26	1.854	2
	20.26	0.289	6		74.14	0.999	0		150.45	1.856	0.5
	20.40	0.291	10		77.14	1.032	0		151.79	1.871	0.5
	20.60	0.294	6		77.86	1.040	0		153.29	1.888	0.5
	21.06	0.301	3		78.05	1.042	0		154.48	1.901	3
	21.50	0.307	4		78.26	1.045	0		156.29	1.922	0
	24.50	0.350	4		78.45	1.047	0		156.99	1.929	0
	28.10	0.401	1		78.65	1.049	0		158.09	1.942	1
	28.70	0.410	1		78.84	1.051	0		159.59	1.959	1
	30.21	0.432	3		79.04	1.054	0		161.09	1.975	13.5
	31.70	0.453	9		80.59	1.071	3		162.59	1.992	16
	36.78	0.525	4.5		81.10	1.077	1		164.09	2.009	4
	38.30	0.547	4		81.50	1.081	0		165.59	2.026	4
	39.80	0.569	4		81.90	1.086	0		167.29	2.045	2
	41.30	0.590	3		82.29	1.090	0		174.70	2.128	2
	42.80	0.611	1		82.69	1.095	0		176.24	2.146	2
	44.45	0.635	1		83.19	1.100	0		177.64	2.161	2
	45.30	0.647	0.5		83.79	1.107	0		179.15	2.178	4
	46.69	0.667	1		84.39	1.114	0		184.09	2.234	8
	47.58	0.680	0		84.89	1.119	0		185.50	2.250	6
	49.09	0.701	0		85.09	1.122	0		187.00	2.267	6
	50.59	0.723	0.5		85.30	1.124	8		188.50	2.283	11
	52.10	0.744	0		85.69	1.128	2		190.00	2.300	9
	53.60	0.766	0.5		86.09	1.133	2		191.50	2.317	9
	55.34	0.787	2		86.56	1.138	5		192.42	2.327	6
	55.93	0.794	2		87.00	1.143	6		203.19	2.449	4
	56.84	0.804	4		91.00	1.188	2		204.69	2.465	4
	58.34	0.821	3		94.00	1.222	7		206.19	2.482	5
	59.84	0.838	2		96.90	1.254	2		207.69	2.499	6
	61.31	0.854	3		99.64	1.285	7		209.19	2.516	4
	62.34	0.866	2		101.74	1.309	2		210.69	2.533	15
	63.34	0.877	3		104.75	1.342	0.5		211.94	2.547	16
	65.10	0.897	0.5		107.75	1.376	3		213.70	2.567	5
	66.59	0.914	1		108.02	1.379	3		215.19	2.583	8
	68.09	0.931	1		108.74	1.387	5		216.69	2.585	19
	69.59	0.947	1		109.14	1.392	1		217.59	2.590	9
	71.09	0.964	0		109.59	1.397	2		223.29	2.618	12
	72.64	0.982	0		110.00	1.401	2		226.05	2.632	20
	73.78	0.994	0		110.39	1.406	1		232.29	2.663	9
	76.10	1.021	0		110.80	1.410	0.5		233.79	2.670	12

Table T5. Fine-fraction (>4 ϕ) size distribution (percentage finer than each 1- ϕ interval), Site 1096. (Continued on next two pages.)

Core	Depth (mbsf)	Age (Ma)	Grain size (ϕ)							
			4	5	6	7	8	9	10	11
178-1096A-										
2H	7.89	0.113	99.00	99.00	96.11	88.03	75.57	63.11	52.34	42.77
2H	8.30	0.119	99.84	99.14	96.83	88.50	75.66	62.81	52.78	41.84
2H	8.80	0.126	99.80	99.50	97.39	88.33	76.56	64.39	54.13	44.47
2H	9.29	0.133	99.80	98.69	96.89	89.55	77.99	65.83	55.38	44.02
2H	9.79	0.140	95.60	95.60	93.57	86.69	75.26	62.96	53.08	43.10
2H	10.31	0.147	99.40	99.40	96.78	88.12	75.03	62.74	52.57	42.70
2H	10.80	0.154	98.80	96.90	91.02	79.44	65.57	53.99	45.21	36.63
2H	11.29	0.161	99.90	97.39	91.17	79.44	65.90	54.36	45.64	36.61
2H	11.80	0.169	81.70	80.53	75.60	66.41	56.05	47.28	39.68	32.83
2H	12.29	0.176	99.40	99.10	96.59	87.75	74.40	61.65	51.21	40.86
2H	12.79	0.183	96.70	96.70	94.74	87.19	73.95	60.22	49.53	39.43
2H	13.29	0.190	97.40	96.51	92.45	82.14	65.30	51.42	41.42	33.49
2H	13.53	0.193	95.50	93.94	85.94	74.43	57.94	43.41	32.19	22.44
2H	13.95	0.199	94.40	94.02	89.31	79.23	65.59	53.01	44.08	34.96
2H	14.49	0.207	97.80	95.71	89.92	78.46	64.40	52.54	43.87	35.19
2H	15.00	0.214	92.10	90.89	85.94	75.29	61.65	49.51	40.63	30.64
2H	15.49	0.221	99.50	97.39	92.38	82.55	66.70	53.46	42.93	32.30
2H	15.90	0.227	89.50	89.13	86.21	73.96	57.69	45.25	35.75	26.60
2H	16.46	0.235	98.70	97.81	94.23	84.78	72.06	58.74	48.41	38.66
3H	18.50	0.264	100.00	99.70	96.58	88.24	75.98	63.72	53.27	42.81
3H	19.00	0.271	99.30	97.57	92.29	81.23	67.32	55.44	45.49	35.13
3H	19.50	0.279	96.90	94.65	87.62	76.78	63.59	51.87	42.39	33.02
3H	20.00	0.286	99.10	96.37	89.39	76.25	60.47	47.22	37.52	27.91
3H	20.26	0.289	94.20	92.46	88.01	75.44	56.87	41.01	29.59	20.31
3H	20.40	0.291	94.70	92.59	87.51	75.34	58.76	45.72	36.42	27.13
3H	20.60	0.294	92.90	91.10	86.66	74.45	58.37	45.50	35.57	27.06
3H	21.06	0.301	100.00	98.18	91.01	77.58	67.47	57.58	49.19	39.49
3H	21.50	0.307	99.84	99.74	97.00	88.37	75.69	63.72	53.67	43.32
3H	24.50	0.350	96.80	96.01	89.83	79.32	66.56	55.37	46.44	37.80
4H	28.10	0.401	99.40	97.71	91.75	81.41	69.88	59.04	49.70	41.25
4H	28.70	0.410	99.60	99.40	96.38	88.42	76.84	65.16	54.68	44.81
4H	30.21	0.432	98.30	97.09	92.06	77.98	59.56	44.87	33.61	23.64
4H	31.70	0.453	99.60	99.40	95.28	86.15	74.10	62.25	52.51	42.37
5H	36.78	0.525	100.00	98.57	85.25	69.16	56.05	45.80	38.01	29.92
5H	38.30	0.547	99.30	98.80	95.07	84.98	71.58	59.48	49.40	39.42
5H	39.80	0.569	99.84	99.03	96.82	87.95	74.65	62.06	52.19	42.82
5H	41.30	0.590	99.50	98.70	87.23	71.63	59.16	49.20	40.54	32.19
5H	42.80	0.611	100.00	99.40	96.49	86.35	74.80	62.45	52.71	44.28
5H	44.45	0.635	98.30	96.52	84.27	67.97	55.32	45.74	38.13	30.23
5H	45.30	0.647	99.60	99.10	94.80	84.89	71.97	59.66	49.75	40.24
6H	46.69	0.667	99.70	99.40	95.29	87.17	76.25	64.73	54.51	44.49
6H	47.58	0.680	99.90	99.80	95.37	85.60	73.52	61.63	51.86	42.09
6H	49.09	0.701	99.80	98.11	96.31	88.93	77.97	66.40	55.63	45.26
6H	50.59	0.723	99.80	99.80	98.37	92.23	81.07	68.68	57.12	45.65
6H	52.10	0.744	100.00	100.00	97.67	89.98	78.44	66.09	55.16	44.33
6H	53.60	0.766	97.70	97.70	95.87	89.78	76.58	64.19	53.72	43.67
7H	55.34	0.787	99.20	97.91	94.75	88.72	76.75	63.59	53.90	43.42
7H	55.93	0.794	96.30	94.84	89.50	80.28	67.76	55.43	45.33	35.43
7H	56.84	0.804	99.65	98.85	95.15	85.66	75.36	64.37	53.87	42.88
7H	58.34	0.821	99.90	98.90	94.51	85.81	73.73	61.64	50.95	39.26
7H	59.84	0.838	99.84	99.14	95.73	87.40	76.36	64.22	54.18	44.25
7H	61.31	0.854	99.40	98.80	94.49	85.67	73.45	61.42	51.50	41.88
7H	62.34	0.866	99.84	98.24	95.45	85.96	73.38	60.90	51.32	40.44
7H	63.34	0.877	98.10	97.90	91.65	80.13	66.72	55.21	45.87	37.14
8H	65.10	0.897	100.00	100.00	96.06	87.07	78.08	66.77	55.96	45.35
8H	66.59	0.914	99.84	97.26	92.19	82.26	69.54	57.62	48.28	38.25
8H	68.09	0.931	99.45	98.65	95.45	86.56	74.76	63.37	53.87	44.78
8H	69.59	0.947	99.90	99.40	96.19	85.27	72.75	60.92	51.50	41.78
8H	71.09	0.964	99.70	98.40	94.50	83.40	71.40	60.20	50.70	40.90
8H	72.64	0.982	99.80	99.40	97.50	88.78	76.25	63.93	52.51	41.98
8H	73.78	0.994	97.20	93.15	72.90	55.51	45.34	37.83	29.34	21.14
9H	76.10	1.021	99.80	99.40	95.09	86.56	74.82	62.59	52.76	42.23
9H	77.60	1.037	99.50	99.00	94.69	84.96	72.42	59.88	50.25	39.62
9H	79.88	1.063	99.84	99.84	96.91	87.61	74.88	63.56	53.56	43.45
9H	80.27	1.067	92.00	91.81	89.59	84.30	74.10	62.69	53.23	42.75
9H	80.58	1.071	97.30	96.32	94.07	86.25	68.94	52.51	40.68	28.85
9H	80.87	1.074	98.50	97.41	93.63	84.29	69.87	54.87	43.44	31.91

Table T5 (continued).

Core	Depth (mbsf)	Age (Ma)	Grain size (φ)							
			4	5	6	7	8	9	10	11
9H	81.16	1.077	98.00	97.31	94.93	88.01	76.84	64.58	54.69	44.90
9H	81.45	1.081	94.30	91.94	87.79	78.08	63.09	49.22	39.32	28.67
9H	81.83	1.085	95.90	94.25	90.75	80.73	64.78	49.99	38.90	28.69
9H	82.05	1.087	96.60	93.79	86.80	76.04	61.98	50.34	41.12	32.20
9H	83.13	1.100	99.90	99.30	96.29	88.68	76.95	64.73	54.61	43.69
10H	87.09	1.144	99.80	97.82	94.84	84.13	71.43	59.32	49.50	39.48
11H	94.49	1.227	99.80	99.29	95.24	87.14	74.88	63.02	53.09	42.96
11H	97.39	1.260	99.80	99.60	97.57	87.86	74.39	61.64	51.82	42.41
11H	98.88	1.276	98.90	95.88	75.03	56.10	44.52	36.16	30.11	23.77
11H	100.40	1.294	99.60	99.00	97.19	89.04	77.37	65.49	55.03	44.97
12H	99.64	1.285	98.30	95.99	83.05	66.90	53.66	42.33	33.60	26.38
12H	101.74	1.309	93.10	91.32	85.61	74.85	59.23	46.13	35.37	25.64
12H	104.75	1.342	99.90	99.90	96.77	87.50	74.19	62.50	52.12	42.24
12H	107.75	1.376	95.80	95.61	93.07	83.91	66.76	49.70	37.52	26.61
13H	108.74	1.387	94.60	93.27	90.13	85.09	74.44	61.70	50.01	41.07
13H	109.14	1.392	97.60	95.04	90.91	81.17	70.15	58.84	48.60	37.68
13H	109.59	1.397	96.60	94.26	88.89	80.60	67.42	54.15	43.03	32.88
13H	110.00	1.401	94.50	92.86	83.57	68.38	51.36	37.53	26.79	17.31
13H	110.39	1.406	99.50	99.20	95.10	85.39	71.87	59.66	49.65	41.24
13H	110.80	1.410	97.40	95.83	92.50	85.15	73.49	60.07	49.48	39.00
13H	111.15	1.414	90.10	87.73	82.63	71.42	56.30	43.36	33.16	24.05
13H	111.56	1.419								
13H	112.08	1.425	99.90	98.19	92.94	80.75	67.64	56.35	47.18	38.91
13H	112.49	1.429	95.00	94.32	89.33	78.58	62.55	49.16	39.29	30.30
13H	112.89	1.434	96.20	94.40	90.23	81.79	70.42	59.62	50.42	41.13
13H	113.29	1.438	100.00	99.60	97.28	88.32	76.13	63.95	53.88	43.71
13H	113.69	1.443	99.90	99.30	97.19	89.77	78.44	67.10	56.77	46.54
13H	115.30	1.461	99.80	99.70	96.57	87.49	75.08	62.97	53.18	43.69
178-1996C-										
1H	115.70	1.465	100.00	99.59	93.21	82.67	70.72	58.66	49.04	39.72
1H	120.14	1.515	99.90	99.90	99.38	92.06	78.95	64.71	53.36	43.55
178-1096A-										
14H	122.80	1.545	99.20	99.10	97.80	89.78	78.06	65.73	55.11	44.69
14H	123.56	1.554	84.40	82.57	76.32	66.49	50.24	34.33	25.73	19.73
14H	125.72	1.578	100.00	99.60	96.97	89.60	77.27	65.25	55.15	45.56
14H	128.70	1.612	100.00	99.39	98.38	92.32	81.72	69.70	59.49	48.89
15H	132.02	1.649	100.00	100.00	96.88	86.03	72.76	61.01	51.06	40.80
15H	134.23	1.674	99.00	95.02	76.41	56.32	44.48	37.31	30.94	24.58
15H	134.75	1.680	99.00	98.70	95.58	86.22	75.16	63.99	53.83	44.37
15H	137.75	1.713	100.00	99.80	95.55	87.15	74.90	62.85	53.34	43.12
178-1096B-										
16H	136.50	1.699	100.00	99.80	96.74	86.88	74.87	63.28	53.10	43.23
16H	137.20	1.707	98.80	98.30	93.68	83.95	70.82	58.88	49.35	39.62
16H	137.30	1.708	95.00	94.90	92.00	83.58	68.59	55.05	45.18	35.89
16H	137.40	1.709	94.10	92.48	88.87	79.54	64.70	51.76	42.53	33.40
16H	137.50	1.710	89.60	88.06	83.80	75.36	63.03	51.87	42.71	33.37
16H	137.60	1.712	96.70	96.02	91.72	83.22	70.23	58.31	49.33	41.02
16H	137.70	1.713	99.40	99.20	97.19	91.06	79.60	67.14	56.48	46.03
16H	138.00	1.716	99.60	99.20	97.89	91.56	80.50	67.94	57.39	46.94
16H	139.50	1.733	99.90	99.80	96.29	88.68	77.35	65.93	55.91	46.39
16H	141.00	1.750	99.60	98.59	94.96	87.70	76.51	63.41	53.23	42.44
16H	142.50	1.767	99.60	98.99	96.57	88.89	77.17	65.15	54.95	44.95
16H	143.40	1.777	99.90	99.80	97.37	89.80	79.09	67.37	57.37	46.77
17H	144.60	1.790	99.70	99.30	96.18	88.72	77.14	64.96	54.28	43.10
17H	146.10	1.807	99.90	99.90	96.96	89.04	77.87	66.09	55.64	43.96
17H	147.60	1.824	99.90	99.10	95.28	87.05	75.70	63.86	54.12	42.57
17H	149.10	1.841	99.86	98.85	95.43	86.77	75.10	63.12	52.75	42.28
18H	150.26	1.854	91.60	90.32	87.75	81.15	71.34	60.52	51.16	41.63
18H	150.45	1.856	98.90	98.80	95.79	88.16	78.12	65.87	55.52	45.99
19H	151.79	1.871	99.90	99.00	97.39	90.58	80.06	68.24	58.12	47.90
19H	153.29	1.888	99.60	99.60	96.99	89.87	78.64	67.30	56.87	46.74
19H	154.48	1.901	99.80	97.89	93.78	85.24	73.59	61.95	52.21	41.97
19H	156.29	1.922	99.40	99.40	97.69	90.55	79.78	67.00	56.64	45.47
19H	156.99	1.929	99.86	98.15	94.52	84.76	72.48	60.60	50.63	41.17
20H	158.09	1.942	99.86	99.86	96.92	89.62	77.66	65.19	54.64	44.30
20H	159.59	1.959	99.60	99.30	95.57	86.60	74.50	62.40	52.22	42.74
20H	161.09	1.975	99.86	99.25	96.02	87.62	77.20	64.65	53.62	41.48
20H	164.09	2.009	97.40	95.46	93.12	87.87	79.61	68.34	58.32	48.12
22X	167.29	2.045	95.60	95.12	92.81	84.90	69.58	53.20	40.76	29.10

Table T5 (continued).

Core	Depth (mbsf)	Age (Ma)	Grain size (ϕ)							
			4	5	6	7	8	9	10	11
178-1096C-										
2H	168.24	2.056	98.60	98.10	94.70	85.01	73.03	61.04	50.45	40.86
2H	169.90	2.074	99.90	99.90	98.66	90.82	77.61	64.81	53.97	42.83
2H	171.46	2.092	99.90	99.90	98.67	92.40	78.03	65.30	54.52	43.53
2H	173.03	2.110	99.90	99.90	98.56	91.88	80.37	67.73	56.43	46.15
2H	173.81	2.118	89.90	89.17	84.77	75.71	64.45	52.91	43.12	33.32
2H	174.61	2.127	98.50	95.33	87.30	76.10	62.23	50.64	41.42	32.30
178-1096B-										
23X	174.70	2.128	95.60	95.50	91.63	82.91	71.87	60.05	50.27	40.87
178-1096C-										
2H	176.16	2.145	100.00	100.00	97.57	89.07	77.23	64.17	53.54	43.32
178-1096B-										
23X	176.24	2.146	99.90	99.30	96.57	87.10	74.70	62.30	52.42	42.14
178-1096C-										
2H	176.56	2.149	99.80	99.30	95.78	88.05	75.30	62.55	52.01	41.37
178-1096B-										
23X	177.64	2.161	99.90	98.70	95.40	86.61	75.22	62.94	52.45	41.56
23X	179.15	2.178	99.90	99.90	97.57	89.47	78.04	66.70	56.17	45.85
24X	184.09	2.234	100.00	99.49	97.67	90.19	78.16	65.12	54.80	45.80
24X	185.50	2.250	99.90	99.70	96.44	87.81	76.22	64.33	54.17	45.02
24X	187.00	2.267	100.00	99.19	96.37	87.20	74.19	60.89	50.40	40.12
24X	188.50	2.283	99.60	98.59	93.85	84.08	71.37	58.77	48.99	38.91
24X	190.00	2.300	97.50	95.34	88.66	77.08	63.72	51.84	43.30	34.17
24X	191.50	2.317	99.70	98.90	94.88	85.53	72.66	60.30	49.65	38.69
24X	192.42	2.327	99.90	98.88	93.50	82.44	69.24	57.36	47.31	37.97
178-1096C-										
3X	195.80	2.365	99.10	98.80	95.28	84.84	71.39	59.04	48.60	38.46
3X	198.80	2.399	95.60	95.03	90.14	81.71	70.41	58.62	48.37	38.41
3X	200.29	2.416	86.40	86.05	83.45	78.93	69.12	55.40	43.42	32.48
3X	200.69	2.420	99.70	99.70	98.56	92.98	81.50	67.95	56.16	44.99
3X	201.85	2.433	99.90	99.90	98.45	91.61	79.07	65.29	53.47	43.32
178-1096B-										
26X	203.19	2.449	100.00	99.60	96.97	87.97	74.92	60.97	50.35	40.65
26X	204.69	2.465	99.90	99.80	96.86	87.45	73.69	61.34	50.51	42.00
26X	206.19	2.482	99.90	99.39	95.15	86.16	74.24	62.12	51.31	40.81
26X	207.69	2.499	99.90	99.60	96.37	87.40	75.50	62.70	51.81	42.04
26X	209.19	2.516	99.90	98.69	95.88	86.83	75.78	63.82	53.47	43.42
26X	210.69	2.533	99.74	99.34	94.18	82.34	68.99	57.15	47.04	36.42
26X	211.94	2.547	98.60	97.81	94.64	84.53	71.75	60.05	49.85	40.23
27X	213.70	2.567	99.90	99.70	96.25	86.80	74.93	62.95	52.59	42.03
27X	215.19	2.583	99.90	99.20	95.58	88.05	76.31	63.76	53.41	43.27
27X	216.69	2.585	99.90	99.50	93.68	79.74	66.40	55.27	45.94	36.81
27X	217.59	2.590	98.90	98.30	94.48	87.94	77.29	65.83	55.48	45.73
28X	223.29	2.618	99.00	96.90	89.10	78.70	67.50	56.20	46.90	37.90
28X	224.79	2.625	99.84	99.84	96.81	88.42	76.50	64.07	53.36	42.44
28X	226.05	2.632	99.40	97.49	92.15	81.98	69.99	58.01	48.04	37.56
29X	232.29	2.663	99.84	99.54	97.01	87.52	75.31	62.89	52.60	42.60
29X	233.79	2.670	99.70	98.99	93.11	82.07	69.30	57.55	47.92	39.72
29X	235.30	2.678	99.60	98.99	93.63	83.42	70.68	58.45	47.93	38.32
29X	236.80	2.685	99.80	99.80	97.18	89.53	77.34	65.16	54.78	44.51
29X	238.29	2.693	99.90	99.40	96.49	88.68	77.46	65.23	55.31	45.09
30X	242.29	2.713	99.90	99.30	95.21	86.33	74.55	63.17	52.69	42.32
30X	243.79	2.720	100.00	99.70	96.67	87.70	75.60	63.71	53.02	41.63
30X	244.50	2.724	100.00	99.49	98.27	92.04	79.69	67.24	56.02	43.88
30X	245.10	2.727	100.00	99.90	96.95	88.82	76.73	64.23	53.25	43.19
30X	245.69	2.729	99.90	99.90	98.46	92.30	80.70	67.66	56.47	45.18
30X	245.90	2.731	99.30	99.30	96.83	89.19	76.51	63.21	51.66	40.73
30X	246.10	2.731	88.70	86.29	81.55	72.98	61.90	50.02	39.93	29.21
30X	246.29	2.732	98.50	96.82	91.70	83.41	70.40	57.58	47.43	36.28
30X	246.49	2.733	98.20	97.30	93.72	85.56	73.82	60.99	50.05	37.51
30X	246.70	2.734	99.30	98.06	96.93	89.10	75.51	61.70	51.61	41.10
30X	246.87	2.735	100.00	98.69	96.18	88.15	76.71	64.76	54.72	43.57
31X	248.70	2.744	99.90	99.70	96.48	89.14	77.67	66.90	56.04	45.57
32X	251.39	2.758	99.90	99.30	93.98	84.64	73.19	62.25	52.51	42.77
32X	254.39	2.773	99.90	99.90	96.87	88.38	76.06	64.95	54.75	45.05
32X	256.84	2.785	99.90	99.80	97.69	90.24	78.47	66.90	56.44	45.98

Table T6 (continued).

Core	Depth (mbsf)	Age (Ma)	φ50	Sorting	Skewness	Mode (φ)
178-1096C-						
2H	168.24	2.056	10.05	3.275	0.099	
2H	169.90	2.074	10.35	2.925	0.043	8
2H	171.46	2.092	10.4	2.925	0.060	7.9
2H	173.03	2.110	10.6	3.075	0.073	7.9
2H	173.81	2.118	9.1	3.35	0.104	
2H	174.61	2.127	9.05	3.275	0.160	
178-1096B-						
23X	174.70	2.128	10	3.325	0.068	8.1
178-1096C-						
2H	176.16	2.145	10.35	3.075	0.057	8.2
178-1096B-						
23X	176.24	2.146	10.2	3.125	0.056	
178-1096C-						
2H	176.56	2.149	10.15	3.05	0.066	
178-1096B-						
23X	177.64	2.161	10.2	3.05	0.033	8.1
23X	179.15	2.178	10.6	3.15	0.032	8
24X	184.09	2.234	10.45	3.125	0.072	8.1
24X	185.50	2.250	10.45	3.425	0.095	8.1
24X	187.00	2.267	10.05	3.025	0.074	7.9
24X	188.50	2.283	9.85	3.15	0.095	8
24X	190.00	2.300	9.2	3.35	0.164	
24X	191.50	2.317	9.95	2.975	0.042	
24X	192.42	2.327	9.7	3.2	0.125	
178-1096C-						
3X	195.80	2.365	9.8	3.1	0.113	7.9
3X	198.80	2.399	9.8	3.225	0.070	8.1
3X	200.29	2.416	9.4	3.325	-0.083	8.3
3X	200.69	2.420	10.55	2.875	0.043	8.1
3X	201.85	2.433	10.3	2.95	0.119	8
178-1096B-						
26X	203.19	2.449	10.05	3.075	0.106	8.2
26X	204.69	2.465	10.05	3.375	0.170	7.9
26X	206.19	2.482	10.1	3.075	0.057	7.9
26X	207.69	2.499	10.15	3.15	0.095	8.1
26X	209.19	2.516	10.3	3.2	0.062	8.1
26X	210.69	2.533	9.7	3.025	0.058	
26X	211.94	2.547	10	3.25	0.092	8
27X	213.70	2.567	10.2	3.15	0.063	
27X	215.19	2.583	10.35	3.175	0.055	8
27X	216.69	2.600	9.55	3.3	0.136	
27X	217.59	2.590	10.5	3.3	0.061	8.1
28X	223.29	2.618	9.6	3.45	0.101	
28X	224.79	2.625	10.3	3.025	0.041	8.1
28X	226.05	2.632	9.8	3.125	0.040	
29X	232.29	2.663	10.2	3.25	0.108	7.9
29X	233.79	2.670	9.75	3.45	0.174	
29X	235.30	2.678	9.8	3.175	0.102	7.9
29X	236.80	2.685	10.45	3.15	0.048	8
29X	238.29	2.693	10.5	3.175	0.039	8.1
30X	242.29	2.713	10.25	3.125	0.024	
30X	243.79	2.720	10.25	2.975	0.025	
30X	244.50	2.724	10.5	2.85	0.018	
30X	245.10	2.727	10.3	3.1	0.081	7.9
30X	245.69	2.729	10.55	2.9	0.034	
30X	245.90	2.731	10.1	2.825	0.080	7.9
30X	246.10	2.731	9	3.325	-0.023	
30X	246.29	2.732	9.7	2.95	0.068	8
30X	246.49	2.733	10	2.825	-0.009	8.1
30X	246.70	2.734	10.15	2.975	0.092	8.1
30X	246.87	2.735	10.4	3.1	0.032	8
31X	248.70	2.744	10.55	3.175	0.039	7.9
32X	251.39	2.758	10.25	3.325	0.038	
32X	254.39	2.773	10.5	3.3	0.061	7.9
32X	256.84	2.785	10.6	3.175	0.039	

Table T7. Diatom percentage, Site 1101.

Depth (mbsf)	Age (Ma)	Diatoms (%)	Depth (mbsf)	Age (Ma)	Diatoms (%)	Depth (mbsf)	Age (Ma)	Diatoms (%)
0.00	0.000		70.64	0.983	4	121.20	1.775	2
9.01	0.128	8	71.30	0.991	3	121.80	1.794	0
9.30	0.132	11	72.04	1.001	2	123.30	1.839	4
9.60	0.136	6	72.80	1.011	0	123.86	1.856	3
10.18	0.145	5	74.30	1.030	3	123.80	1.854	1
10.80	0.154	7	75.50	1.045	9	125.30	1.899	4.5
12.10	0.172	3	76.33	1.056	5	126.80	1.944	3
13.60	0.193	4.5	76.80	1.080	4	128.30	1.970	2
15.10	0.215	4	77.80	1.096	0.5	128.43	1.972	5
16.60	0.236	5	79.30	1.119	5	129.87	1.996	2
18.40	0.262	4	80.10	1.132	6	131.37	2.020	0
19.80	0.282	8	80.80	1.143	4	132.87	2.044	0
21.30	0.303	3	81.15	1.148	7	133.30	2.051	2
22.80	0.324	15	82.30	1.166	4	134.80	2.075	1
23.40	0.333	11	83.84	1.190	3	136.30	2.100	4
24.29	0.345	2	84.90	1.207	7	137.30	2.116	3
25.80	0.367	3	85.79	1.221	1	137.90	2.125	6.5
27.85	0.396	3	87.30	1.244	1	138.49	2.135	3
29.35	0.417	5	88.80	1.268	1	139.99	2.159	6
30.85	0.439	0	90.30	1.291	2	142.79	2.204	10
32.35	0.460	1	91.84	1.315	2	150.60	2.331	5.5
33.85	0.481	0.5	92.90	1.332	3	160.19	2.485	3
35.35	0.503	6	93.28	1.338	4	169.79	2.641	8
36.85	0.524	3	94.10	1.351	2	179.43	2.721	11.5
37.10	0.528	5	95.56	1.374	3	188.99	2.822	12
37.50	0.533	8	96.80	1.393	4	190.03	2.833	16
39.80	0.566	0.5	97.10	1.398	2	190.50	2.838	16.5
41.30	0.587	1	97.70	1.407	5	192.00	2.854	33
42.80	0.609	4	98.30	1.417	5	193.06	2.865	17
44.30	0.630	0.5	98.79	1.424	2	193.50	2.870	27
45.80	0.651	0	99.20	1.431	4	194.43	2.880	25
47.30	0.673	2	99.79	1.440	4	194.97	2.885	27
47.79	0.680	1	101.32	1.464	3	195.84	2.895	21
49.29	0.701	6	102.84	1.488	0	196.50	2.902	25
49.29	0.701	6	104.29	1.510	0	197.50	2.912	11
50.79	0.722	2	104.84	1.519	0.5	198.00	2.917	10
52.29	0.743	0.5	106.29	1.542	0	198.70	2.925	9
53.53	0.761	2	107.79	1.565	1	200.08	2.939	29
53.79	0.765	2	109.29	1.589	0	201.58	2.955	32
54.29	0.772	0.5	110.50	1.607	3	202.48	2.965	21
55.29	0.786	2	110.79	1.612	2	203.12	2.972	28
56.79	0.805	4	111.10	1.617	3	204.10	2.982	23
57.26	0.811	5	112.29	1.635	0.5	204.59	2.987	22
57.29	0.811	1	113.29	1.651	0	206.07	3.003	21
58.79	0.831	2	115.85	1.691	3	207.57	3.019	24
60.25	0.849	5	116.58	1.703	0	208.23	3.026	30
61.86	0.870	2	116.62	1.703	0	209.11	3.035	37
63.30	0.889	0.5	116.66	1.704	0.5	209.71	3.041	37
64.79	0.908	1	116.70	1.704	0	211.18	3.057	25
66.29	0.927	3	116.75	1.705	0	212.68	3.073	30
66.80	0.934	2	117.28	1.714	0	214.22	3.089	27
68.30	0.953	4	118.80	1.737	2	215.73	3.105	21
69.80	0.972	1	120.31	1.761	0	217.21	3.121	26

Table T8 (continued).

Hole	Depth (mbsf)	Age (Ma)	Grain size (φ)							
			4	5	6	7	8	9	10	11
10H	84.90	1.207	92.90	85.53	64.77	46.50	34.06	25.74	19.52	13.20
11H	85.79	1.221	99.50	99.50	96.94	90.58	77.06	63.33	53.49	42.32
11H	87.30	1.244	99.70	98.86	96.45	85.22	68.95	56.57	47.86	39.25
11H	88.80	1.268	99.80	98.97	97.51	87.51	71.05	58.23	48.75	40.11
11H	90.30	1.291	99.90	99.08	97.94	91.34	77.43	63.92	54.13	44.43
11H	91.84	1.315	98.20	97.66	91.57	74.49	55.14	40.45	29.80	19.68
11H	92.90	1.332	98.60	98.50	95.80	86.15	69.12	53.76	41.72	30.62
11H	93.28	1.338	100.00	100.00	98.53	88.35	69.15	52.68	41.03	29.17
11H	94.10	1.351	89.20	88.51	81.87	67.52	48.91	34.35	23.66	14.55
12H	95.56	1.374	100.00	99.79	98.23	89.81	74.12	60.29	51.35	42.00
12H	96.80	1.393	99.90	99.90	99.07	94.02	80.70	65.84	55.11	43.96
12H	97.10	1.398	83.60	79.30	67.67	50.73	36.49	27.05	20.39	14.33
12H	97.70	1.407	99.30	98.68	97.53	88.71	69.59	52.56	41.03	30.33
12H	98.30	1.417	99.60	99.60	96.43	83.11	60.69	42.40	30.56	20.09
12H	98.79	1.424	92.80	88.20	74.95	58.05	42.46	30.90	22.64	14.28
12H	99.20	1.431	99.30	98.86	92.56	75.66	54.34	39.65	29.93	20.88
12H	99.79	1.440	97.80	97.49	92.47	79.62	61.23	45.87	34.27	22.88
12H	101.32	1.464	99.30	96.16	83.71	64.58	47.98	36.14	27.53	18.83
12H	102.84	1.488	99.80	99.49	98.45	91.79	78.57	65.46	55.88	46.93
12H	104.29	1.510	100.00	100.00	98.86	92.02	78.03	64.56	55.34	46.74
13H	104.84	1.519	99.20	98.20	92.42	80.16	65.10	52.74	43.77	35.99
13H	106.29	1.542	100.00	99.10	96.00	88.31	76.72	64.94	55.54	47.95
13H	107.79	1.565	94.40	89.82	75.50	55.20	38.17	25.92	18.52	13.00
13H	109.29	1.589	99.90	99.09	94.66	84.17	71.37	59.48	49.90	42.04
13H	110.50	1.607	96.60	94.63	84.59	65.09	45.79	32.69	23.53	15.16
13H	110.79	1.612	88.90	84.54	71.08	49.44	31.36	20.04	13.27	8.64
13H	111.10	1.617	97.40	92.87	78.98	57.51	39.10	27.58	20.98	14.77
13H	112.29	1.635	100.00	98.89	95.68	85.93	73.07	61.81	52.86	44.52
13H	113.29	1.651	99.70	99.10	92.56	80.99	66.70	55.33	46.48	38.03
14H	115.85	1.691	98.80	97.49	88.36	73.80	58.54	46.99	38.86	30.32
14H	117.28	1.714	99.90	98.89	93.43	81.70	67.95	56.52	48.33	39.94
14H	118.80	1.737	99.60	96.56	81.65	59.54	40.37	27.89	20.08	11.77
14H	120.31	1.761	98.20	97.70	93.84	85.90	74.10	62.29	52.77	42.65
14H	121.20	1.775	95.90	93.87	86.79	69.94	51.53	37.88	27.80	18.02
14H	121.80	1.794	99.80	99.20	95.30	87.70	73.70	60.20	49.20	38.20
14H	123.30	1.839	99.30	97.00	86.60	67.00	50.00	38.90	31.00	22.30
14H	123.86	1.856	98.70	97.69	85.15	65.02	47.02	35.39	27.61	19.62
15H	123.80	1.854	98.90	97.71	92.05	80.83	67.42	55.41	46.87	38.83
15H	125.30	1.899	98.10	96.52	90.39	75.45	56.66	41.24	31.15	22.84
15H	126.80	1.944	98.40	96.40	84.33	64.37	47.10	34.93	25.95	18.26
15H	128.30	1.970	96.50	95.62	89.77	76.52	60.92	46.69	35.87	25.25
15H	128.43	1.972	97.30	95.55	89.73	75.06	57.97	44.09	34.08	25.15
15H	129.87	1.996	99.60	98.09	87.01	67.88	49.85	35.55	25.98	18.53
15H	131.37	2.020	99.50	98.60	91.40	79.10	64.10	52.00	43.00	35.70
15H	132.87	2.044	99.70	99.00	95.59	86.76	74.52	61.79	51.05	42.63
16H	133.30	2.051	98.80	97.90	90.04	74.72	59.70	48.45	40.10	32.04
16H	134.80	2.075	99.10	98.49	91.23	73.27	54.09	40.57	30.98	21.60
16H	136.30	2.100	100.00	100.00	98.26	91.38	78.67	65.54	55.59	45.95
16H	137.30	2.116	99.90	98.67	97.03	88.82	75.18	62.05	51.90	42.26
16H	137.90	2.125	99.80	97.95	96.10	87.18	72.31	58.05	46.87	36.21
16H	138.49	2.135	99.90	98.70	94.50	85.00	72.20	59.70	50.10	40.10
16H	139.99	2.159	99.80	94.94	77.84	59.72	45.75	36.64	30.26	23.08
17X	142.79	2.204	99.80	98.20	91.80	77.70	61.60	47.90	38.30	30.70
18X	150.60	2.331	98.80	97.18	84.86	65.66	48.89	37.98	29.50	21.92
19X	160.19	2.485	99.10	95.79	81.33	60.95	44.98	34.24	26.51	19.88
20X	169.79	2.641	99.90	99.60	95.35	84.85	71.82	58.08	47.48	37.88
21X	179.43	2.721	99.10	97.71	89.45	75.62	60.59	49.15	40.30	33.03
22X	188.99	2.822	99.10	97.71	91.06	82.14	71.32	60.02	50.59	40.37
22X	190.03	2.833	95.40	95.01	93.34	86.86	75.18	63.11	53.10	42.79
22X	190.50	2.838	95.80	93.79	89.39	78.40	64.82	53.25	44.46	34.23
22X	192.00	2.854	99.20	95.97	82.67	65.23	50.81	40.93	33.97	25.20
22X	193.06	2.865	99.10	96.40	86.30	68.70	54.30	44.10	35.90	26.90
22X	193.50	2.870	98.70	98.40	93.36	79.77	65.16	53.88	45.02	36.26
22X	194.43	2.880	98.70	93.60	77.60	58.90	43.80	32.80	24.90	18.10
22X	194.97	2.885	95.70	93.57	83.91	66.99	50.17	37.51	28.32	17.50
22X	195.84	2.895	99.40	97.68	85.56	68.19	51.72	38.89	28.99	18.28
22X	196.50	2.902	99.40	97.68	85.56	68.19	51.72	38.89	28.99	18.28
22X	197.50	2.912	99.30	98.60	94.72	84.28	71.74	59.70	49.85	40.20
22X	198.00	2.917	99.25	97.76	93.08	83.22	69.48	56.84	47.09	39.12

Table T8 (continued).

Hole	Depth (mbsf)	Age (Ma)	Grain size (ϕ)							
			4	5	6	7	8	9	10	11
23X	198.70	2.925	99.80	95.80	81.50	66.60	53.10	42.40	34.00	27.10
23X	200.08	2.939	99.50	96.21	84.63	69.56	55.69	44.91	35.63	27.05
23X	201.58	2.955	98.60	98.20	93.81	82.03	67.66	55.59	46.51	38.32
23X	202.48	2.965	99.00	96.21	86.92	72.65	57.78	46.31	37.32	29.54
23X	203.12	2.972	99.80	97.49	85.72	68.91	54.63	43.76	35.71	28.47
23X	204.10	2.982	95.50	94.16	88.05	76.30	61.98	51.09	42.98	34.67
23X	204.59	2.987	99.50	98.70	96.12	87.97	75.74	62.13	51.39	41.15
23X	206.07	3.003	99.30	97.42	94.25	85.74	73.66	60.99	50.39	39.30
23X	207.57	3.019	99.80	97.38	81.25	65.12	53.93	45.06	36.59	27.62
24X	208.23	3.026	100.00	99.79	99.59	91.62	77.87	63.60	51.91	40.54
24X	209.11	3.035	99.80	99.20	96.69	86.76	72.62	59.58	48.45	37.41
24X	209.71	3.041	99.60	99.60	97.85	87.25	71.00	56.59	46.61	35.40
24X	211.18	3.057	99.40	99.40	97.23	87.00	70.57	55.59	44.12	32.24
24X	212.68	3.073	99.50	98.30	91.68	78.84	63.89	51.86	42.33	33.00
24X	214.22	3.089	99.20	98.66	93.92	79.04	63.19	50.46	40.87	30.73
24X	215.73	3.105	99.60	97.39	88.95	72.16	56.58	45.23	36.48	27.04
24X	217.21	3.121	99.80	99.80	98.66	90.82	76.17	62.44	51.09	39.63

Table T9. Median diameter, mode, sorting, and skewness, Site 1101. (See table note. Continued on next page.)

Depth (mbsf)	Age (Ma)	φ50	Sorting	Skewness	Mode (φ)	Depth (mbsf)	Age (Ma)	φ50	Sorting	Skewness	Mode (φ)
9.01	0.128	9	2.8	0.232	7.2	87.30	1.244	9.75	3.325	0.203	7.9
9.30	0.132	9.05	3.425	0.226	7.7	88.80	1.268	9.85	3.2	0.203	7.8
9.60	0.136	10	2.675	0.121	8.2	90.30	1.291	10.4	3.15	0.111	7.9
10.18	0.145	8.65	3.375	0.274	6.6	91.84	1.315	8.3	2.45	0.265	7.8
10.80	0.154	9.1	3.475	0.209	7	92.90	1.332	9.3	2.55	0.157	7.9
12.10	0.172	9.8	3.15	0.175	7.8	93.28	1.338	9.2	2.45	0.204	7.8
13.60	0.193	9.4	3.05	0.246	7.9	94.10	1.351	7.75	2.525	0.228	
15.10	0.215	10.4	3.075	0.089	7.9	95.56	1.374	10.15	3.225	0.163	7.9
16.60	0.236	9.4	3	0.217	7.8	96.80	1.393	10.45	2.85	0.070	8.1
18.40	0.262	9.9	2.925	0.128	7.6	97.10	1.398	7.05	3.4	0.074	6.6
19.80	0.282	7	2.9	0.431	6	97.70	1.407	9.2	2.525	0.248	7.9
21.30	0.303	8.8	3.05	0.246	7.8	98.30	1.417	8.5	2.25	0.289	7.9
22.80	0.324	8.3	2.775	0.279	7	98.79	1.424	7.5	2.7	0.222	6.5
23.40	0.333	9.95	2.725	0.119	7.9	99.20	1.431	8.2	2.525	0.327	7.8
24.29	0.345	9.85	3.075	0.122	8	99.79	1.440	8.7	2.45	0.184	7.9
25.80	0.367	10.25	3.35	0.090	8	101.32	1.464	7.9	2.7	0.278	6.6
27.85	0.396	9.85	3.125	0.168	7.9	102.84	1.488	10.65	3.425	0.124	7.9
29.35	0.417	10.2	3.25	0.123	8	104.29	1.510	10.6	3.475	0.137	8
30.85	0.439	9.4	3.525	0.191	7.2	104.84	1.519	9.3	3.35	0.224	7.7
32.35	0.460	10	3.125	0.152	8.9	106.29	1.542	10.75	3.7	0.095	8
33.85	0.481	9.4	3.8	0.211		107.79	1.565	7.25	2.5	0.300	6.2
35.35	0.503	8.65	2.6	0.212	7.8	109.29	1.589	10	3.525	0.149	
36.85	0.524	8	2.225	0.281	8	110.50	1.607	7.8	2.45	0.265	6.7
37.10	0.528	6.8	2.675	0.402	5.8	110.79	1.612	7	2.25	0.133	6.6
37.50	0.533	7.95	2.525	0.287		111.10	1.617	7.35	2.55	0.353	6.8
39.80	0.566	9.5	3.425	0.431		112.29	1.635	10.35	3.575	0.105	7.7
41.30	0.587	10.45	3.35	0.119	7.9	113.29	1.651	9.6	3.375	0.156	7.5
42.80	0.609	8.85	3.475	0.281	7.4	115.85	1.691	8.65	3.2	0.266	7.2
44.30	0.630	10.45	3.225	0.101	8	117.28	1.714	9.8	3.55	0.155	7.7
45.80	0.651	10	3.275	0.145	8	118.80	1.737	7.45	2.375	0.326	6.6
47.30	0.673	9.4	2.875	0.183	8	120.31	1.761	10.3	3.275	0.038	8.2
47.79	0.680	8.4	3	0.283		121.20	1.775	8.1	2.5	0.240	7.2
49.29	0.701	7.7	2.55	0.333	6.6	121.80	1.794	9.95	2.875	0.061	8
50.79	0.701	8.5	2.875	0.252		123.30	1.839	8	2.8	0.321	6.3
52.29	0.722	9	3.8	0.368		123.86	1.856	7.8	2.675	0.346	6.4
53.53	0.743	7.7	3.075	0.301	6.9	123.80	1.854	9.6	3.55	0.183	7.7
53.79	0.765	7.7	2.35	0.277	6.6	125.30	1.899	8.4	2.675	0.271	7.4
54.29	0.772	10.45	3.025	0.074	8.2	126.80	1.944	7.8	2.65	0.321	6.5
55.29	0.786	7.5	2.2	0.273	6.9	128.30	1.970	8.7	2.675	0.178	7.8
56.79	0.805	6.55	3.275	-0.084	6.2	128.43	1.972	8.5	2.8	0.250	7.5
57.26	0.811	8.7	2.65	0.283	7.8	129.87	1.996	8	2.6	0.288	6.7
57.29	0.811	7.95	3	0.233	7.2	131.37	2.020	9.2	3.5	0.257	7.5
58.79	0.831	9.95	3.95	0.228		132.87	2.044	10.1	3.4	0.147	8
60.25	0.849	7.75	2.65	0.283	6.5	133.30	2.051	8.85	3.225	0.256	6.6
61.86	0.870	9.35	3.5	0.186		134.80	2.075	8.25	2.575	0.301	6.8
63.30	0.889	9.35	3.3	0.167	7.8	136.30	2.100	10.6	3.2	0.063	8.1
64.79	0.908	8.95	3.6	0.292	6.6	137.30	2.116	10.2	3.1	0.097	7.9
66.29	0.927	8.2	3.1	0.323	6.9	137.90	2.125	9.7	2.775	0.117	7.9
66.80	0.934	9	2.875	0.235	7.9	138.49	2.135	10	3.175	0.071	8.2
68.30	0.953	7.2	2.275	0.297	6.2	139.99	2.159	7.7	3.2	0.344	6
69.80	0.972	9.85	3.05	0.098	7.9	142.79	2.204	8.8	3.05	0.279	7.4
70.64	0.983	7.15	2.5	0.340	6.4	150.60	2.331	7.95	2.85	0.333	6.6
71.30	0.991	7.25	1.975	0.316	7.9	160.19	2.485	7.65	2.875	0.374	6.3
72.04	1.001	7.15	2.35	0.234	6.3	169.79	2.641	9.75	3.1	0.129	8
72.80	1.011	9.9	3.6	0.194	7.9	179.43	2.721	8.9	3.425	0.270	7.5
74.30	1.030	9.25	4.075	0.104	6.6	188.99	2.822	10.05	3.325	0.008	
75.50	1.045	6.85	2.825	0.469	5.8	190.03	2.833	10.3	3.15	0.048	7.9
76.33	1.056	7.1	2.275	0.187	6.6	190.50	2.838	9.35	3.25	0.123	7.6
76.80	1.080	9.55	3.1	0.113	7.9	192.00	2.854	8.05	3.075	0.301	6.5
77.80	1.096	9.5	3.5	0.200	7.8	193.06	2.865	8.4	3.1	0.258	6.3
79.30	1.119	7.6	2.5	0.360	6.5	193.50	2.870	9.4	3.3	0.182	7.3
80.10	1.132	7	2.3	0.217	6.5	194.43	2.880	10.05	2.55	0.118	8
80.80	1.143	6.95	3.3	-0.045	6.6	194.97	2.885	7.55	2.825	0.327	6.1
81.15	1.148	7.5	2.25	0.311	6.6	195.84	2.895	8	2.7	0.259	6.8
82.30	1.166	9.1	3.475	0.237	7.8	196.50	2.902	8.1	2.675	0.252	6.8
83.84	1.190	10.05	3.5	0.129	7.7	197.50	2.912	10	3.25	0.077	8.1
84.90	1.207	6.75	2.75	0.400	5.5	198.00	2.917	9.7	3.425	0.197	7.7
85.79	1.221	10.3	3	0.083	7.9	198.70	2.925	8.3	3.375	0.274	5.9

Table T9 (continued).

Depth (mbsf)	Age (Ma)	ϕ_{50}	Sorting	Skewness	Mode (ϕ)
200.08	2.939	8.45	3.175	0.228	
201.58	2.955	9.6	3.45	0.188	7.6
202.48	2.965	8.6	3.225	0.256	7.2
203.12	2.972	8.4	3.275	0.298	6.6
204.10	2.982	9.1	3.35	0.194	7.5
204.59	2.987	10.1	3.025	0.091	8.2
206.07	3.003	10.05	2.975	0.025	8.1
207.57	3.019	8.4	3.2	0.203	5.9
208.23	3.026	10.15	2.75	0.109	
209.11	3.035	9.9	2.85	0.053	
209.71	3.041	9.65	2.8	0.125	7.9
211.18	3.057	9.5	2.6	0.115	7.9
212.68	3.073	9.2	3.1	0.161	7.4
214.22	3.089	9.05	2.9	0.190	
215.73	3.105	8.5	2.9	0.241	6.8
217.21	3.121	10.1	2.75	0.055	7.9

Note: Numbers in italic are weak.