6. *DATA REPORT:* HIGH-RESOLUTION CARBONATE AND OXYGEN ISOTOPE DATA FROM SITE 810: COMPARISON TO GRAPE BULK DENSITY AND MAGNETIC SUSCEPTIBILITY DATA[1]

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INTRODUCTION

Site 810 was drilled atop Shatsky Rise during Ocean Drilling Program (ODP) Leg 132. The principal objective at Site 810 was to drill interbedded cherts and chalks of Mesozoic age using the diamond coring system (DCS). The objective was not achieved because of difficulties in setting up the reentry cone on the seafloor; however, a shortened section of Cretaceous-Cenozoic nannofossil ooze was recovered with the advanced piston corer (APC). Although the section is interrupted by hiatuses, the upper 50 m carry detailed information relating to biogenic productivity, water chemistry, and eolian input during the Pliocene and Pleistocene.

Four holes were drilled at Site 810. Hole 810A consists of a single mud-line core for an ongoing ODP geriatric study. The second hole (Hole 810B) was washed to 60 mbsf (without core recovery) to provide information required for setting the 16-in. casing attached to the reentry cone. Hole 810C penetrated 136.1 mbsf, mostly with the APC, with a total recovery of 143.81 m of nannofossil ooze. A reentry cone was placed over Hole 810D but no casing was successfully suspended in the hole and no sediment was cored.

This data report presents the results of shore-based high-resolution analyses of carbonate and oxygen isotopic variations in the upper 50 m of the section at Site 810 and compares these variations with the shipboard determinations of magnetic susceptibility and GRAPE bulk density from the multisensor track.

SEDIMENTARY RECORD

Five lithologic units were distinguished in Hole 810C (Storms, Natland, et al., 1991); this data report concentrates on the upper two. Unit I (0–4.2 mbsf) consists of Pleistocene brown to dark gray nannofossil ooze. Siliceous microfossils, including radiolarians, diatoms and sponge spicules are common to abundant. Cut and fill structures (color interfaces at high inclinations) suggest significant erosional and/or sediment transport processes occurred. Bioturbation structures occur throughout the unit.

Lithologic Unit II (4.2–76.0 mbsf) consists of lower Pliocene to Pleistocene light gray to white nannofossil ooze. In the lower half of the unit, the light gray and white beds alternate at 40- to 80-cm intervals. Several thin and one thick (14 cm) silt- to sand-sized ash beds and rounded pumiceous dropstones are present, probably derived from the arc systems to the west. Foraminifer data suggest that dissolution effects increase with depth downhole. The unit is bioturbated throughout but contains 2- to 5-cm-thick packages of green parallel bands.

Biostratigraphic (Storms, Natland, et al., 1991, and Premoli Silva et al., this volume) and magnetostratigraphic (Sager et al., this volume) data show that the sediments from Hole 810C range in age from Maastrichtian to Pleistocene. Magnetic polarity zones are clearly defined down to 76.8 mbsf, through the base of the Gilbert Chron. Between 76.8 and 100 mbsf (middle to upper Miocene) the magnetic polarity match to the time scale is less certain because of slow sedimentation rates and the presence of hiatuses. Below 100 mbsf it was mostly impossible to define clear polarities (Sager et al., this volume).

METHODS

Carbonate Analyses

Concentrations of inorganic carbon (IC) were determined for over 950 samples from Hole 810C. These values were then used to calculate the weight percent of carbonate ($CaCO_3$) in the bulk sediment. The inorganic carbon concentration was measured with a Coulometric 5011 CO_2 coulometer equipped with a System 140 carbonate carbon analyzer. A 10- to 60-mg sample was reacted in a solution of 2N HCL while being heated at 65°C. The evolved CO_2 was transferred to the CO_2 coulometer by means of a helium stream, and the quantity of CO_2 liberated was measured by titration in a monoethanolamine solution with a proprietary colorimetric indicator. The change in light transmittance was monitored by a photodetection cell. Reagent-grade calcite was used as a standard. Concentrations of $CaCO_3$ were calculated from the inorganic carbon concentrations, assuming that all carbonate occurs as $CaCO_3$, by the following equation:

$$\%CaCO_3 = \%IC \cdot 8.334. \quad (1)$$

Duplicate analyses of 100 samples indicate a reproducibility of 0.7% with this method.

Isotopic Analyses

The oxygen isotopic composition of the bulk sample was determined for 200 samples across selected time slices using an automated dissolution technique at 90°C (Swart et al., 1991). The isotopic ratios were determined using a Finnegan-MAT 251 in the Stable Isotope Laboratory at the Rosenstiel School of Marine and Atmospheric Science, University of Miami. All data have been corrected for the usual interferences and are quoted relative to PDB.

RESULTS

Measurements of bulk density and magnetic susceptibility were collected at Site 810 using the GRAPE sensor and the Bartington susceptibility meter mounted on the multisensor track aboard the *JOIDES Resolution.* These data are displayed in Figures 1 and 2, respectively, for the intervals from 0 to 25 mbsf and from 25 to 50 mbsf. Also displayed in these figures are the results of nearly 1000 determinations of the percentage of calcium carbonate in samples collected at approximately 5-cm spacing to the base of Section 132-810C-6H-1. The percentage of noncarbonate material is calculated for each sample by subtracting the percentage of carbonate from 100% total sediment composition (Figs. 1 and 2). The data illustrated in Figures 1 and 2 are also tabulated in Table 1. In addition, data are

1 Natland, J.H., Storms, M.A., et al., 1993. *Proc. ODP, Sci. Results,* 132: College Station, TX (Ocean Drilling Program).

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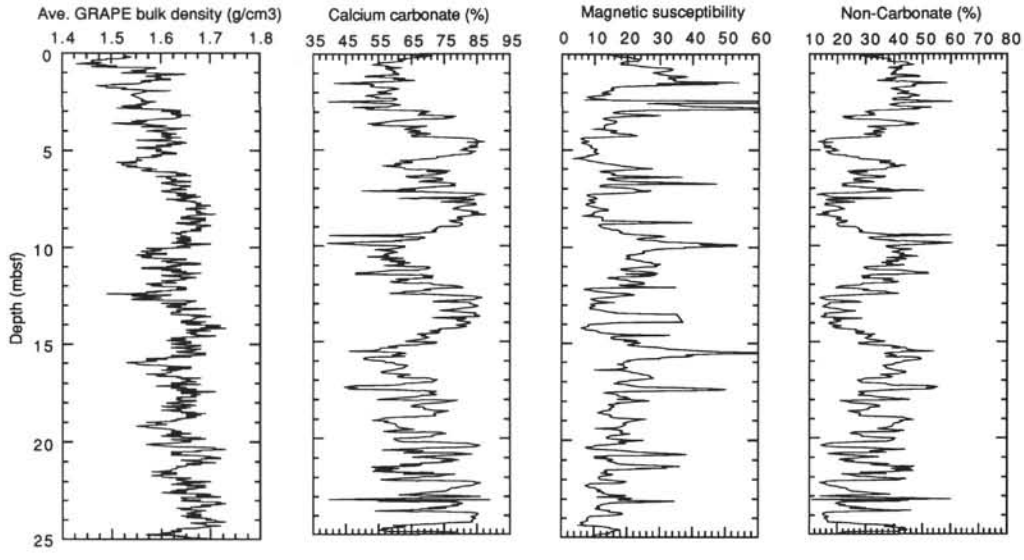

Figure 1. Profiles of GRAPE bulk density (g/cm^3), calcium carbonate percentage, magnetic susceptibility (csg units), and noncarbonate percentage (100% – carbonate%) for the interval from 0 to 25 mbsf in Hole 810C.

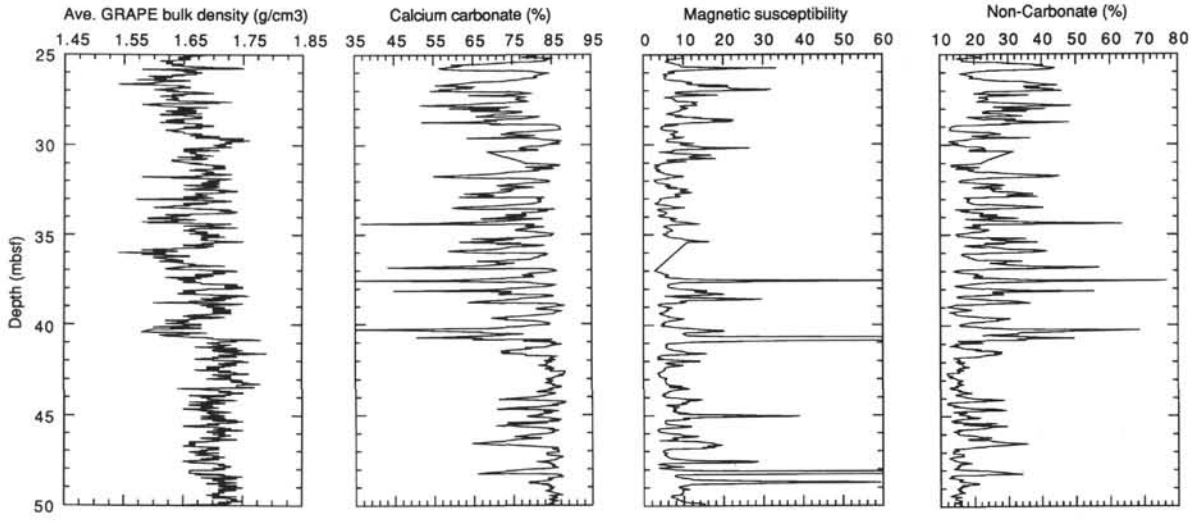

Figure 2. Profiles of GRAPE bulk density (g/cm^3), calcium carbonate percentage, magnetic susceptibility (csg units), and noncarbonate percentage (100% – carbonate%) for the interval from 25 to 50 mbsf in Hole 810C.

presented in Table 1 from the selected intervals where samples were collected for oxygen and carbon stable isotope determinations. These intervals were selected to investigate the isotopic variability associated with distinct changes in magnetic susceptibility and bulk density.

In the upper 25 mbsf in Hole 810C, the bulk density, in general, increases from slightly less than 1.5 g/cm^3 to more than 1.7 g/cm^3. There are many smaller scale variations in bulk density that are overprinted on this overall increasing trend. In general, as the bulk density and the calcium carbonate percentage in the sediment increases, the magnetic susceptibility decreases. The determinations of calcium carbonate illustrate the magnitude of the lithologic variability, as seen in Figure 1, where calcium carbonate percentage values range from 36% to 87%, with an increasing amount of variation observed downhole. The sharper and more frequent oscillations in carbonate content between 20 and 40 mbsf are clearly shown in Figures 1 and 2. The amplitude of susceptibility variations over the same interval seem to decrease downhole, but high susceptibility values are observed again below 37 mbsf in Figure 2. Several of the peaks in magnetic susceptibility are associated with ash layers (see Storms, Natland, et al., 1991; Natland, this volume), although many other susceptibility peaks have no such association. Studies of the source of the magnetic susceptibility have been conducted by Polgreen et al. (this volume), although the results of these studies are still being analyzed.

The noncarbonate fraction of the bulk sediment composition is thought to be primarily composed of volcanic glass, biogenic opal, and various clay minerals (see Storms, Natland, et al., 1991). A significant amount of dissolution of the microfossil tests is observed within the upper 50 m of the section at Site 810, according to smear slide descriptions by the shipboard sedimentologists and biostratigraphers (Storms, Natland, et al., 1991). The age models that are applied to the data from Hole 810C are derived from both magnetostratigraphic and biostratigraphic studies by Sager et al. (this volume) and Premoli Silva et al. (this volume), respectively. There are several possible hiatuses in sediment accumulation within the Pliocene to Pleistocene interval of this hole.

The results of stable isotope determinations at three intervals in Hole 810C are given in Figures 3 through 5, representing the time intervals from 0.30 to 0.45 Ma, 0.60 to 0.75 Ma, and 1.2 to 1.9 Ma, respectively. The isotope data are compared with the corresponding profiles of calcium carbonate percentage, magnetic susceptibility, and noncarbonate percentage in these figures. Higher susceptibility values are correlated with heavier $\delta^{18}O$ values, while lower susceptibility values correspond to lighter oxygen isotopic values in Figure 3. The correspondence is somewhat unclear for the interval from 0.6 to 0.75 Ma (Fig. 4), and also for the interval from 1.2 to 1.9 Ma (Fig. 5). More samples have been taken for isotopic analysis throughout the upper 50 mbsf in Hole 810C, but these data are not available at this time.

Although there are many similarities in the trends of the magnetic susceptibility and noncarbonate percentage curves, or the inverse trend with the calcium carbonate percentage curves, the signal seems to be more complex than was originally hoped. Further analyses, including extractions of the eolian components of bulk sediment, grain-size analyses of the fine fraction of the samples, and X-ray diffraction analyses to determine the clay mineralogy of specific intervals, are ongoing. The results of these ongoing studies, and a more comprehensive analyses of the entire suite of data from Site 810 will be presented in a future contribution.

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* Abbreviations for names of organizations and publications in ODP reference lists follow the style given in *Chemical Abstracts Service Source Index* (published by American Chemical Society).

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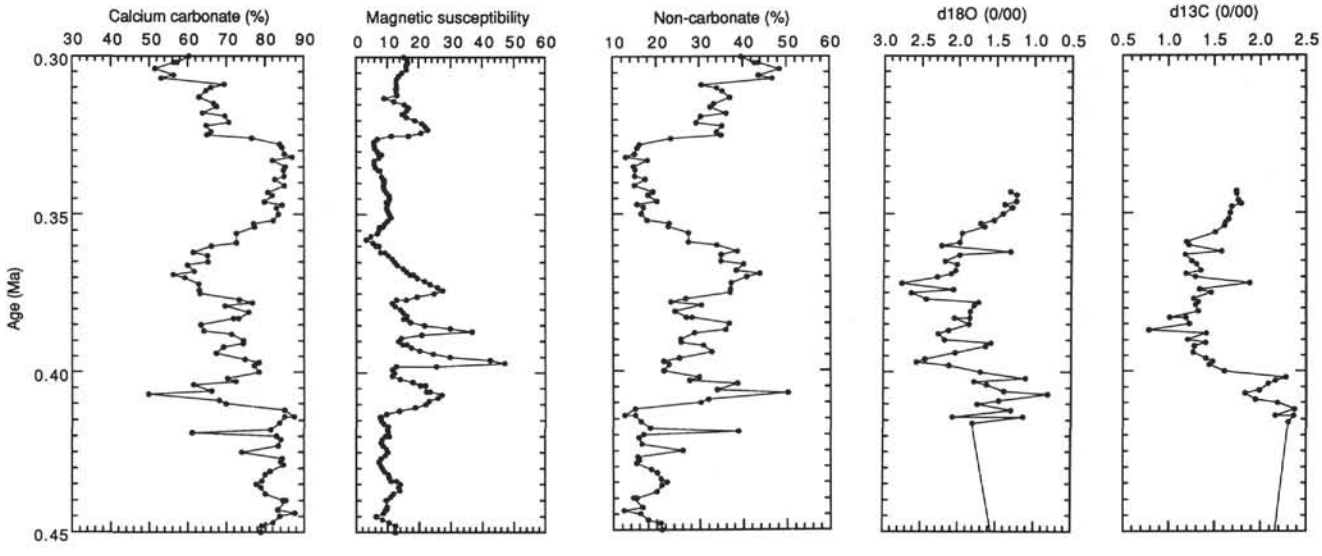

Figure 3. Profiles of calcium carbonate percentage, magnetic susceptibility (csg units), noncarbonate percentage, $\delta^{18}O$ (‰), and $\delta^{13}C$ (‰) for the estimated time interval from 0.30 to 0.45 Ma, in Hole 810C. Age estimates are from Premoli Silva et al. (this volume) and Sager et al. (this volume).

Table 1. Magnetic susceptibility, lithologic composition, and stable isotopic data from Hole 810C.

Core, section	Top of interval (cm)	Depth (mbsf)	Magnetic susceptibility (W/[m · K])	Carbonate (wt%)	Age (Ma)	$\delta^{13}C$	$\delta^{18}O$	Noncarbonate material (%)
132-810C-								
1H-1	2.50	0.03	13.50					
1H-1	5.50	0.05	14.80	64.68	0.200			35.32
1H-1	8.50	0.09	16.20		0.201			
1H-1	11.50	0.12	16.70	71.34	0.202			28.66
1H-1	14.50	0.14	17.50		0.203			
1H-1	17.50	0.17	21.10	65.68	0.203			34.32
1H-1	20.50	0.20	20.70		0.204			
1H-1	23.50	0.23	22.00	61.14	0.205			38.86
1H-1	26.50	0.26	23.10		0.206			
1H-1	29.50	0.29	23.50	61.98	0.207			38.02
1H-1	32.50	0.32	23.50		0.208			
1H-1	35.70	0.36	23.20	62.34	0.209			37.66
1H-1	38.50	0.38	20.00		0.210			
1H-1	41.60	0.42	18.40	56.85	0.211			43.15
1H-1	44.50	0.44	18.90	55.14	0.211			44.86
1H-1	47.50	0.47	17.70		0.212			
1H-1	50.50	0.50	18.80	55.33	0.213			44.67
1H-1	53.50	0.54	17.90	53.22	0.214			46.78
1H-1	56.50	0.56	20.90		0.215			
1H-1	59.50	0.60	23.00	58.16	0.216			41.84
1H-1	62.60	0.63	24.50		0.217			
1H-1	65.50	0.65	25.70	57.15	0.218			42.85
1H-1	68.60	0.69	28.60	62.11	0.219			37.89
1H-1	71.50	0.71	32.40		0.219			
1H-1	74.50	0.75	33.30	57.22	0.221			42.78
1H-1	77.60	0.78	33.90		0.221			
1H-1	80.50	0.81	33.60	58.72	0.222			41.28
1H-1	83.50	0.83	33.20	59.29	0.223			40.71
1H-1	86.60	0.87	32.20		0.224			
1H-1	89.50	0.89	31.30	60.29	0.225			39.71
1H-1	92.50	0.93	29.40		0.226			
1H-1	95.50	0.95	27.60	59.42	0.226			40.58
1H-1	98.50	0.99	29.40	60.95	0.228			39.05
1H-1	101.50	1.01	29.60		0.228			
1H-1	104.70	1.05	29.70	61.16	0.229			38.84
1H-1	107.70	1.08	31.90		0.230			
1H-1	110.60	1.11	32.60	51.82	0.231			48.18
1H-1	113.50	1.13	36.00		0.232			
1H-1	116.60	1.17	38.30	50.92	0.233			49.08
1H-1	119.50	1.20	36.00	59.44	0.234			40.56
1H-1	122.50	1.23	32.90		0.235			
1H-1	125.50	1.25	32.30	62.97	0.235			37.03
1H-1	128.50	1.28	33.30	59.41	0.236			40.59
1H-1	131.50	1.32	34.60		0.237			
1H-1	134.50	1.35	34.20	65.84	0.238			34.16
1H-1	137.60	1.38	34.10		0.239			
1H-1	140.50	1.40	36.30	60.47	0.240			39.53
1H-1	143.50	1.43	42.70		0.241			
1H-1	146.50	1.47	53.90	50.28	0.242			49.72
1H-1	149.50	1.50	29.10	41.35	0.243			58.65
1H-2	2.50	1.52	45.90		0.243			
1H-2	5.50	1.55	47.60	51.66	0.244			48.34
1H-2	8.50	1.59	33.80	53.59	0.245			46.41
1H-2	11.50	1.62	25.10		0.246			
1H-2	14.50	1.64	22.40		0.247			
1H-2	17.50	1.67	17.90	52.61	0.248			47.39
1H-2	20.50	1.71	15.60	54.09	0.249			45.91
1H-2	23.50	1.74	15.20	58.74	0.250			41.26
1H-2	26.50	1.76	15.10		0.250			
1H-2	29.50	1.79	14.90	61.16	0.251			38.84
1H-2	32.50	1.83	15.70		0.252			
1H-2	35.50	1.86	15.80	57.89	0.253			42.11
1H-2	38.50	1.88	14.50		0.254			
1H-2	41.50	1.91	13.90	57.56	0.255			42.44
1H-2	44.50	1.95	13.10	54.76	0.256			45.24
1H-2	47.50	1.98	12.80		0.257			
1H-2	50.50	2.01	12.10	56.49	0.258			43.51
1H-2	53.50	2.04	13.80	58.88	0.258			41.12
1H-2	56.50	2.07	14.90		0.259			
1H-2	59.50	2.10	13.30	53.21	0.260			46.79
1H-2	62.60	2.13	12.80		0.261			
1H-2	65.50	2.15	11.60	51.10	0.262			48.90
1H-2	68.50	2.18	10.10		0.263			
1H-2	71.50	2.21	7.60	55.06	0.263			44.94
1H-CC	2.50	2.26	8.00	54.12	0.265			45.88
1H-CC	5.50	2.29	10.00	60.04	0.266			39.96
1H-CC	8.50	2.32	11.70	60.73	0.267			39.27
1H-CC	11.50	2.35	13.40		0.268			
1H-CC	14.50	2.38	6.90	59.58	0.268			40.42
2H-1	2.50	2.43	64.30		0.270			
2H-1	5.50	2.46	83.40	39.58	0.271			60.42
2H-1	8.50	2.49	82.00	47.48	0.272			52.52
2H-1	11.50	2.52	55.10		0.273			
2H-1	14.50	2.55	25.90	59.13	0.273			40.87
2H-1	17.50	2.58	30.90		0.274			
2H-1	20.50	2.61	33.50	61.65	0.275			38.35
2H-1	23.50	2.63	35.30		0.276			
2H-1	26.50	2.67	35.70	58.96	0.277			41.04
2H-1	29.60	2.70	38.60	57.94	0.278			42.06
2H-1	32.50	2.73	43.10		0.279			
2H-1	35.50	2.76	55.80	47.13	0.280			52.87
2H-1	38.50	2.79	60.80	53.42	0.281			46.58
2H-1	41.50	2.82	65.60		0.281			
2H-1	44.50	2.85	66.60	51.14	0.282			48.86
2H-1	47.50	2.88	45.30		0.283			
2H-1	50.60	2.91	25.70	67.86	0.284			32.14
2H-1	53.50	2.94	20.30	68.06	0.285			31.94
2H-1	56.50	2.97	17.70		0.286			
2H-1	59.60	3.00	15.90	70.51	0.287			29.49
2H-1	62.60	3.03	15.40		0.287			
2H-1	65.50	3.06	15.90	67.24	0.288			32.76
2H-1	68.50	3.09	18.00	69.06	0.289			30.94
2H-1	71.50	3.12	20.20		0.290			
2H-1	74.50	3.15	25.30	66.95	0.291			33.05
2H-1	77.50	3.18	29.90		0.292			
2H-1	80.50	3.21	25.00	78.45	0.293			21.55
2H-1	83.50	3.24	19.20	74.96	0.294			25.04
2H-1	86.50	3.27	17.00		0.294			
2H-1	89.50	3.30	14.20	77.80	0.295			22.20
2H-1	92.50	3.33	12.60		0.296			
2H-1	95.60	3.36	12.40	74.48	0.297			25.52
2H-1	98.50	3.39	12.80	65.67	0.298			34.33
2H-1	101.60	3.42	14.20		0.299			
2H-1	104.50	3.45	15.20	60.33	0.300			39.67
2H-1	107.70	3.48	16.40		0.301			
2H-1	110.70	3.51	16.50	57.27	0.302			42.73
2H-1	113.70	3.54	16.20	56.40	0.302			43.60
2H-1	116.50	3.57	15.90		0.303			
2H-1	119.50	3.60	16.00	51.50	0.304			48.50
2H-1	122.60	3.63	14.60		0.305			
2H-1	125.50	3.66	13.60	56.32	0.306			43.68
2H-1	128.50	3.69	12.90	53.18	0.307			46.82
2H-1	131.50	3.72	12.80		0.308			
2H-1	134.50	3.75	12.90	69.51	0.309			30.49
2H-1	137.50	3.78	12.90		0.310			
2H-1	140.60	3.81	12.70	65.97	0.310			34.03
2H-1	143.50	3.84	12.80	64.67	0.311			35.33
2H-1	146.50	3.87	13.00		0.312			
2H-1	149.50	3.90	9.00	62.90	0.313			37.10
2H-2	2.50	3.93	12.10		0.314			
2H-2	5.50	3.96	15.40	66.66	0.315			33.34
2H-2	8.50	3.99	16.70	67.50	0.316			32.50
2H-2	11.70	4.02	16.00		0.317			
2H-2	14.50	4.05	15.00	63.78	0.318			36.22
2H-2	17.50	4.08	14.70		0.318			
2H-2	20.50	4.11	16.00	69.67	0.319			30.33
2H-2	23.50	4.14	18.70		0.320			
2H-2	26.50	4.16	20.90	70.70	0.321			29.30
2H-2	29.50	4.20	21.90	64.78	0.322			35.22
2H-2	32.60	4.23	22.80		0.323			
2H-2	35.50	4.26	20.60	66.04	0.324			33.96
2H-2	38.50	4.29	16.70	64.97	0.325			35.03
2H-2	41.70	4.32	11.20		0.325			
2H-2	44.50	4.35	6.80	76.57	0.326			23.43
2H-2	47.50	4.38	5.70		0.327			
2H-2	50.60	4.41	5.80	83.83	0.328			16.17
2H-2	53.60	4.44	6.00	84.36	0.329			15.64
2H-2	56.50	4.47	6.80		0.330			
2H-2	59.50	4.50	7.30	84.96	0.331			15.04
2H-2	62.50	4.53	8.10		0.331			
2H-2	65.50	4.56	7.30	87.04	0.332			12.96
2H-2	68.60	4.59	5.80	81.95	0.333			18.05
2H-2	71.50	4.62	5.80		0.334			
2H-2	74.50	4.64	6.10	85.18	0.335			14.82
2H-2	77.50	4.68	7.10		0.336			
2H-2	80.50	4.70	7.70	84.82	0.336			15.18
2H-2	83.50	4.74	8.20	84.94	0.338			15.06
2H-2	86.50	4.77	9.00		0.339			
2H-2	89.50	4.80	8.70	82.49	0.339			17.51
2H-2	92.50	4.83	9.00		0.340			
2H-2	95.50	4.86	8.70	85.02	0.341			14.98
2H-2	98.50	4.89	9.00		0.342			
2H-2	101.60	4.92	9.70	80.73	0.343	1.740	1.320	19.27
2H-2	104.50	4.95	10.50	81.91	0.344	1.741	1.236	18.09
2H-2	107.60	4.98	10.60		0.345			
2H-2	110.50	5.01	10.30	79.79	0.346	1.760	1.241	20.21
2H-2	113.50	5.04	9.60		0.346			
2H-2	116.60	5.07	9.90	84.46	0.347	1.791	1.394	15.54
2H-2	119.70	5.10	9.70	82.93	0.348	1.687	1.291	17.07
2H-2	122.50	5.13	10.10		0.349			
2H-2	125.50	5.16	10.60	83.43	0.350	1.670	1.417	16.57
2H-2	128.60	5.19	11.10		0.351			
2H-2	131.50	5.22	10.10	82.08	0.352	1.653	1.533	17.92
2H-2	134.50	5.25	9.10	77.00	0.353	1.618	1.714	23.00
2H-2	137.70	5.28	7.50		0.354			
2H-2	140.70	5.31	8.50	77.25	0.354	1.606	1.658	22.75
2H-2	143.50	5.34	7.30		0.355			
2H-2	146.60	5.37	6.80	72.60	0.356	1.507	1.959	27.40
2H-2	149.60	5.40	4.70		0.357			
2H-3	2.50	5.43	3.20		0.358			
2H-3	5.50	5.45	5.40	72.59	0.359	1.194	1.989	27.41
2H-3	8.50	5.49	6.40		0.360			
2H-3	11.50	5.51	7.30	66.08	0.360	1.221	2.232	33.92
2H-3	14.50	5.55	7.80	61.36	0.362	1.578	1.311	38.64
2H-3	17.50	5.58	9.20		0.362			
2H-3	20.50	5.61	10.30	65.07	0.363	1.181	1.991	34.93
2H-3	23.60	5.64	11.50		0.364			
2H-3	26.50	5.66	12.20	65.12	0.365	1.250	2.185	34.88
2H-3	29.50	5.70	13.10	59.88	0.366	1.304	2.025	40.12
2H-3	32.70	5.73	14.90		0.367			
2H-3	35.50	5.76	16.00	61.65	0.368	1.351	2.042	38.35
2H-3	38.50	5.79	17.20		0.369			
2H-3	41.50	5.82	18.20	56.18	0.369	1.187	2.102	43.82
2H-3	44.60	5.85	19.40	59.20	0.370	1.290	2.285	40.80
2H-3	47.50	5.88	21.70		0.371			
2H-3	50.50	5.91	23.40	62.77	0.372	1.883	2.756	37.23

Table 1 (continued).

Core, section	Top of interval (cm)	Depth (mbsf)	Magnetic susceptibility (W/[m · K])	Carbonate (wt%)	Age (Ma)	$\delta^{13}C$	$\delta^{18}O$	Noncarbonate material (%)
132-810C-								
2H-3	53.60	5.94	25.80		0.373			
2H-3	56.50	5.97	27.40	62.93	0.374	1.337	2.071	37.07
2H-3	59.50	6.00	24.70	63.04	0.375	1.462	2.629	36.96
2H-3	62.50	6.03	19.30		0.376			
2H-3	65.50	6.06	15.90	73.27	0.377	1.273	2.432	26.73
2H-3	68.50	6.09	12.80		0.377			
2H-3	71.50	6.12	11.40	76.68	0.378	1.323	1.733	23.32
2H-3	74.60	6.15	12.40	69.63	0.379	1.291	1.794	30.37
2H-3	77.50	6.18	14.00		0.380			
2H-3	80.50	6.20	14.90	75.74	0.381	1.324	1.846	24.26
2H-3	83.50	6.24	16.10		0.382			
2H-3	86.50	6.27	16.00	73.14	0.383	1.010	1.851	26.86
2H-3	89.60	6.30	15.00	71.82	0.383	1.187	2.058	28.18
2H-3	92.50	6.33	17.20		0.384			
2H-3	95.50	6.36	21.70	63.30	0.385	1.225	1.862	36.70
2H-3	98.60	6.39	29.80		0.386			
2H-3	101.60	6.42	36.70	64.10	0.387	0.784	2.134	35.90
2H-3	104.60	6.45	20.80	71.30	0.388	1.411	2.272	28.70
2H-3	107.50	6.48	14.30		0.389			
2H-3	110.60	6.51	13.50	74.41	0.390	1.206	2.188	25.59
2H-3	113.50	6.54	14.80		0.391			
2H-3	116.50	6.57	16.10	74.32	0.391	1.403	1.568	25.68
2H-3	119.50	6.60	17.50	69.19	0.392	1.280	1.642	30.81
2H-3	122.50	6.63	20.10		0.393			
2H-3	125.70	6.66	24.40	67.29	0.394	1.264	2.044	32.71
2H-3	128.60	6.69	29.70		0.395			
2H-3	131.60	6.72	42.40	74.75	0.396	1.404	2.447	25.25
2H-3	134.60	6.75	47.10	78.37	0.397	1.480	2.560	21.63
2H-3	137.60	6.78	25.40		0.398			
2H-3	140.70	6.81	12.70	77.14	0.398	1.442	2.130	22.86
2H-3	143.60	6.84	11.50		0.399			
2H-3	146.50	6.87	12.10	78.38	0.400	1.607	1.708	21.62
2H-3	149.60	6.90	11.40		0.401			
2H-4	2.50	6.93	13.90	70.18	0.402	2.279	1.108	29.82
2H-4	5.50	6.95	17.90	72.41	0.403	2.165	1.791	27.59
2H-4	8.60	6.99	20.30		0.404			
2H-4	11.50	7.01	21.90	61.38	0.404	2.084	1.624	38.62
2H-4	14.60	7.05	22.20	66.06	0.406	1.987	1.394	33.94
2H-4	17.50	7.08	23.50		0.406			
2H-4	20.50	7.11	27.10	49.77	0.407	1.831	0.812	50.23
2H-4	23.50	7.14	25.90		0.408			
2H-4	26.50	7.16	23.10	68.03	0.409	1.945	1.464	31.97
2H-4	29.50	7.20	22.00	69.84	0.410	2.188	1.749	30.16
2H-4	32.50	7.22	18.70		0.411			
2H-4	35.50	7.26	13.70	84.97	0.412	2.373	1.301	15.03
2H-4	38.60	7.29	9.60		0.413			
2H-4	41.50	7.32	7.90	87.43	0.414	2.162	2.080	12.57
2H-4	44.60	7.35	7.60	84.95	0.414	2.364	1.141	15.05
2H-4	47.60	7.38	7.90		0.415			
2H-4	50.60	7.41	8.70	83.61	0.416	2.303	1.814	16.39
2H-4	53.50	7.43	10.10		0.417			
2H-4	56.50	7.47	10.10	81.44	0.418			18.56
2H-4	59.50	7.50	10.30	61.10	0.419			38.90
2H-4	62.50	7.53	10.50		0.420			
2H-4	65.50	7.56	9.40	82.96	0.420			17.04
2H-4	68.50	7.59	8.30	84.07	0.421			15.93
2H-4	71.50	7.62	8.00		0.422			
2H-4	74.50	7.64	8.60	83.37	0.423			16.63
2H-4	77.50	7.68	9.70		0.424			
2H-4	80.60	7.71	10.10	73.96	0.425			26.04
2H-4	83.60	7.74	9.30		0.426			
2H-4	86.60	7.77	8.00	84.39	0.427			15.61
2H-4	89.60	7.80	7.20	84.00	0.428			16.00
2H-4	92.50	7.83	7.20		0.428			
2H-4	95.60	7.86	7.80	84.67	0.429			15.33
2H-4	98.50	7.89	8.30		0.430			
2H-4	101.50	7.91	9.00	81.23	0.431			18.77
2H-4	104.50	7.95	10.20	79.94	0.432			20.06
2H-4	107.50	7.98	10.50		0.433			
2H-4	110.70	8.01	11.10	79.06	0.434			20.94
2H-4	113.50	8.03	12.80		0.434			
2H-4	116.50	8.07	14.00	77.68	0.435			22.32
2H-4	119.60	8.10	13.50	78.89	0.436			21.11
2H-4	122.60	8.13	13.90		0.437			
2H-4	125.50	8.15	11.80	80.02	0.438			19.98
2H-4	128.70	8.19	10.90		0.439			
2H-4	131.50	8.22	9.70	84.56	0.440			15.44
2H-4	134.50	8.24	9.50	85.35	0.440			14.65
2H-4	137.70	8.28	9.80		0.442			
2H-4	140.60	8.31	9.30	83.27	0.443			16.73
2H-4	143.50	8.34	9.70		0.443			
2H-4	146.50	8.36	8.70	87.59	0.444			12.41
2H-4	149.50	8.40	6.30	83.76	0.445			16.24
2H-5	2.70	8.43	8.30		0.446			
2H-5	5.50	8.45	10.40	82.00	0.447			18.00
2H-5	8.50	8.48	12.40		0.448			
2H-5	11.50	8.51	12.50	79.05	0.448			20.95
2H-5	14.50	8.55	12.50	78.84	0.450			21.16
2H-5	17.50	8.57	12.30		0.450			
2H-5	20.50	8.60	12.10	80.47	0.451			19.53
2H-5	23.70	8.64	12.40		0.452			
2H-5	26.50	8.66	15.10	80.33	0.453			19.67
2H-5	29.50	8.69	27.40	76.61	0.454			23.39
2H-5	32.50	8.72	38.30		0.455			
2H-5	35.50	8.75	39.70	77.20	0.456			22.80
2H-5	38.50	8.78	23.50		0.456			
2H-5	41.60	8.82	15.90	79.93	0.458			20.07
2H-5	44.50	8.84	12.70	80.41	0.458			19.59
2H-5	47.50	8.88	11.10		0.459			
2H-5	50.50	8.90	11.40	80.37	0.460			19.63
2H-5	53.50	8.93	11.60		0.461			
2H-5	56.60	8.97	11.90	79.37	0.462			20.63
2H-5	59.60	9.00	12.30	73.97	0.463			26.03
2H-5	62.60	9.03	13.30		0.464			
2H-5	65.50	9.05	14.40	72.94	0.464			27.06
2H-5	68.50	9.09	14.80		0.465			
2H-5	71.60	9.12	16.50	72.19	0.466			27.81
2H-5	74.50	9.14	17.30	72.71	0.467			27.29
2H-5	77.50	9.17	17.60		0.468			
2H-5	80.60	9.21	18.20	71.26	0.469			28.74
2H-5	83.50	9.23	18.10		0.470			
2H-5	86.50	9.26	17.60	72.58	0.470			27.42
2H-5	89.50	9.30	19.00	70.82	0.472			29.18
2H-5	92.60	9.33	20.20		0.472			
2H-5	95.60	9.36	22.00	64.76	0.473			35.24
2H-5	98.50	9.38	26.30		0.474			
2H-5	101.50	9.41	29.50	62.63	0.475			37.37
2H-5	104.60	9.45	31.40	39.94	0.476			60.06
2H-5	107.50	9.47	29.60		0.477			
2H-5	110.50	9.51	27.70	61.61	0.478			38.39
2H-5	113.50	9.53	25.20		0.478			
2H-5	116.50	9.56	23.60	68.92	0.479			31.08
2H-5	119.50	9.59	22.80	69.11	0.480			30.89
2H-5	122.50	9.63	24.80		0.481			
2H-5	125.60	9.66	29.20	67.06	0.482			32.94
2H-5	128.60	9.69	29.40		0.483			
2H-5	131.50	9.72	30.80	59.87	0.484			40.13
2H-5	134.50	9.74	32.60	62.05	0.484			37.95
2H-5	137.50	9.77	37.40		0.485			
2H-5	140.50	9.80	43.90	50.61	0.486			49.39
2H-5	143.50	9.84	47.40		0.487			
2H-5	146.50	9.86	53.50	39.38	0.488			60.62
2H-5	149.50	9.89	42.30	44.26	0.489			55.74
2H-6	2.50	9.92	52.50		0.490			
2H-6	5.50	9.95	53.30	52.98	0.491			47.02
2H-6	8.50	9.98	41.60		0.492			
2H-6	11.50	10.01	37.30	62.95	0.492			37.05
2H-6	14.50	10.05	37.50	62.85	0.494			37.15
2H-6	17.50	10.07	31.70		0.494			
2H-6	20.50	10.10	29.20	60.84	0.495			39.16
2H-6	23.50	10.13	27.90		0.496			
2H-6	26.60	10.17	26.80	57.56	0.497			42.44
2H-6	29.50	10.19	25.60	53.90	0.498			46.10
2H-6	32.50	10.22	24.60		0.499			
2H-6	35.60	10.26	24.60	59.32	0.500			40.68
2H-6	38.50	10.28	25.10		0.500			
2H-6	41.60	10.32	24.60	60.87	0.502			39.13
2H-6	44.50	10.34	23.80	59.55	0.502			40.45
2H-6	47.50	10.38	22.30		0.503			
2H-6	50.50	10.40	20.60	56.61	0.504			43.39
2H-6	53.60	10.44	19.60		0.505			
2H-6	56.60	10.47	20.10	56.58	0.506			43.42
2H-6	59.50	10.49	20.40	58.17	0.506			41.83
2H-6	62.50	10.52	20.70		0.507			
2H-6	65.50	10.55	20.50	51.67	0.508			48.33
2H-6	68.60	10.59	19.40		0.510			
2H-6	71.50	10.61	20.60	62.62	0.510			37.38
2H-6	74.50	10.64	22.20	59.76	0.511			40.24
2H-6	77.70	10.68	22.60		0.512			
2H-6	80.50	10.70	24.30	55.66	0.513			44.34
2H-6	83.60	10.74	24.50		0.514			
2H-6	86.50	10.76	25.50	62.84	0.515			37.16
2H-6	89.50	10.80	27.50	58.42	0.516			41.58
2H-6	92.50	10.82	27.30		0.516			
2H-6	95.60	10.86	28.00	64.45	0.517			35.55
2H-6	98.60	10.89	30.10		0.518			
2H-6	101.60	10.92	29.30	60.67	0.519			39.33
2H-6	104.60	10.95	28.20	62.63	0.520			37.37
2H-6	107.50	10.97	29.10		0.521			
2H-6	110.60	11.01	28.60	56.53	0.522			43.47
2H-6	113.50	11.03	25.40		0.522			
2H-6	116.70	11.07	22.30	66.24	0.524			33.76
2H-6	119.70	11.10	20.20	70.70	0.525			29.30
2H-6	122.50	11.13	18.00		0.525			
2H-6	125.50	11.15	17.80	70.42	0.526			29.58
2H-6	128.60	11.19	18.60		0.527			
2H-6	131.60	11.22	20.70	69.21	0.528			30.79
2H-6	134.60	11.25	24.10	58.94	0.529			41.06
2H-6	137.60	11.28	26.80		0.530			
2H-6	140.50	11.30	27.80	56.27	0.530			43.73
2H-6	143.50	11.34	28.40		0.531			
2H-6	146.60	11.37	29.20	51.78	0.532			48.22
2H-6	149.50	11.39	19.40	48.12	0.533			51.88
2H-7	2.50	11.42	25.90		0.534			
2H-7	5.50	11.45	28.50	47.83	0.535			52.17
2H-7	8.50	11.48	26.40	67.27	0.536			32.73
2H-7	11.70	11.52	23.40		0.537			
2H-7	14.50	11.55	17.60	71.49	0.538			28.51
2H-7	17.50	11.57	14.40		0.538			
2H-7	20.50	11.60	14.10	68.61	0.539			31.39
2H-7	23.50	11.63	15.70		0.540			
2H-7	26.50	11.66	17.40	71.38	0.541			28.62
2H-7	29.50	11.69	19.50	60.26	0.542			39.74
2H-7	32.50	11.72	20.20		0.543			
2H-7	35.50	11.75	20.60	63.95	0.543			36.05
2H-7	38.50	11.78	21.30		0.544			
2H-7	41.50	11.81	23.70	60.43	0.545			39.57
2H-7	44.50	11.84	25.00	58.49	0.546			41.51

Table 1 (continued).

Core, section	Top of interval (cm)	Depth (mbsf)	Magnetic susceptibility (W/[m · K])	Carbonate (wt%)	Age (Ma)	$\delta^{13}C$	$\delta^{18}O$	Noncarbonate material (%)
132-810C-								
2H-7	47.50	11.88	25.00		0.547			
2H-7	50.50	11.90	24.00	59.91	0.548			40.09
3H-1	2.50	11.92	25.10		0.548			
3H-1	5.50	11.95	17.50	70.83	0.549			29.17
3H-1	8.50	11.98	18.30		0.550			
3H-1	11.50	12.01	21.20	71.85	0.551			28.15
3H-1	14.50	12.05	26.70	76.75	0.552			23.25
3H-1	17.50	12.07	34.70		0.553			
3H-1	20.50	12.10	17.70	79.81	0.554			20.19
3H-1	23.50	12.13	9.40		0.555			
3H-1	26.50	12.16	7.70	80.70	0.556			19.30
3H-1	29.50	12.19	6.80	75.71	0.557			24.29
3H-1	32.50	12.22	7.80		0.557			
3H-1	35.50	12.25	9.20	69.04	0.558			30.96
3H-1	38.60	12.29	10.60		0.559			
3H-1	41.50	12.31	11.80	70.84	0.560			29.16
3H-1	44.50	12.34	13.40	63.10	0.561			36.90
3H-1	47.50	12.38	15.80		0.562			
3H-1	50.60	12.41	19.60	61.90	0.563			38.10
3H-1	53.50	12.43	20.70		0.563			
3H-1	56.50	12.46	22.10	58.30	0.564			41.70
3H-1	59.60	12.50		69.93	0.566			30.07
3H-1	62.50	12.52	18.50		0.566			
3H-1	65.50	12.55	17.30	75.95	0.567			24.05
3H-1	68.50	12.59	15.40		0.568			
3H-1	71.50	12.61	14.30	83.55	0.569			16.45
3H-1	74.60	12.65	10.80	85.57	0.570			14.43
3H-1	77.60	12.68	9.40		0.571			
3H-1	80.50	12.70	8.90	86.37	0.571			13.63
3H-1	83.50	12.73	9.30		0.572			
3H-1	86.50	12.76	10.00	84.39	0.573			15.61
3H-1	89.60	12.80	11.20	83.46	0.574			16.54
3H-1	92.50	12.82	12.40		0.575			
3H-1	95.60	12.86	16.10	73.70	0.576			26.30
3H-1	98.50	12.88	14.00		0.577			
3H-1	101.60	12.92	10.20	71.57	0.578			28.43
3H-1	104.70	12.95	8.80	83.02	0.579			16.98
3H-1	107.50	12.97	9.10		0.579			
3H-1	110.60	13.01	9.40	82.76	0.580			17.24
3H-1	113.70	13.04	10.20		0.581			
3H-1	116.60	13.07	9.40	84.09	0.582			15.91
3H-1	119.50	13.09	9.00	84.39	0.583			15.61
3H-1	122.50	13.13	8.40		0.584			
3H-1	125.50	13.15	8.60	85.33	0.585			14.67
3H-1	128.60	13.19	8.80		0.586			
3H-1	131.70	13.22	9.50	82.55	0.587			17.45
3H-1	134.50	13.24	10.70	80.24	0.587			19.76
3H-1	137.70	13.28	12.30		0.589			
3H-1	140.50	13.30	12.70	78.75	0.589			21.25
3H-1	143.70	13.34	13.50		0.590			
3H-1	146.60	13.37	16.00	73.69	0.591			26.31
3H-1	149.60	13.40	16.50		0.592			
3H-2	2.50	13.42	16.00		0.593			
3H-2	5.70	13.46	27.00	79.77	0.594			20.23
3H-2	8.50	13.48	35.00		0.594			
3H-2	11.70	13.52		84.63	0.595			15.37
3H-2	14.50	13.55		84.13	0.596			15.87
3H-2	17.50	13.57			0.597			
3H-2	20.50	13.60		84.04	0.598			15.96
3H-2	23.50	13.63			0.599			
3H-2	26.50	13.66		85.78	0.600			14.22
3H-2	29.70	13.70		85.39	0.601			14.61
3H-2	32.50	13.72			0.601			
3H-2	35.50	13.75		71.40	0.602			28.60
3H-2	38.50	13.78			0.603			
3H-2	41.50	13.81		81.39	0.604			18.61
3H-2	44.50	13.84		80.92	0.605			19.08
3H-2	47.50	13.88	37.00		0.606			
3H-2	50.50	13.90	22.00	78.77	0.607	1.492	0.379	21.23
3H-2	53.50	13.93	16.00		0.608			
3H-2	56.50	13.96	13.00	80.72	0.608	1.536	1.960	19.28
3H-2	59.50	13.99	11.00	82.82	0.609	1.001	1.107	17.18
3H-2	62.50	14.02	8.00		0.610			
3H-2	65.50	14.05	8.00	82.97	0.611	1.385	0.917	17.03
3H-2	68.50	14.09	8.00		0.612			
3H-2	71.60	14.12	8.00	79.95	0.613	1.452	1.447	20.05
3H-2	74.70	14.15	7.00	78.50	0.614	1.169	1.245	21.50
3H-2	77.60	14.18	6.00		0.615			
3H-2	80.50	14.20	6.00	81.77	0.615	1.040	1.292	18.23
3H-2	83.50	14.23	7.00		0.616			
3H-2	86.60	14.27	7.00	80.48	0.618	1.240	1.364	19.52
3H-2	89.60	14.30	9.00	77.99	0.618	1.129	1.573	22.01
3H-2	92.60	14.33	10.00		0.619			
3H-2	95.50	14.35	11.00	73.23	0.620	1.071	1.335	26.77
3H-2	98.60	14.39	11.00		0.621			
3H-2	101.60	14.42	11.00	73.75	0.622	0.989	1.427	26.25
3H-2	104.60	14.45	12.00	70.48	0.623	1.286	1.317	29.52
3H-2	107.50	14.47	14.00		0.623			
3H-2	110.70	14.51	16.00	73.49	0.625	0.940	1.153	26.51
3H-2	113.50	14.53	20.00		0.625			
3H-2	116.60	14.57	33.00	73.03	0.626	0.814	0.909	26.97
3H-2	119.50	14.59	25.00	66.80	0.627	0.969	1.198	33.20
3H-2	122.50	14.63	17.00		0.628			
3H-2	125.50	14.65	16.00	69.17	0.629	0.941	1.025	30.83
3H-2	128.50	14.68	15.00		0.630			
3H-2	131.50	14.72	15.00	67.91	0.631	1.521	1.203	32.09
3H-2	134.50	14.74	15.00	69.15	0.631	0.954	0.911	30.85
3H-2	137.50	14.77	16.00		0.632			
3H-2	140.50	14.80	18.00	70.24	0.633	0.905	1.027	29.76
132-810C-								
3H-2	143.50	14.84	22.00		0.634			
3H-2	146.50	14.86	23.00	68.90	0.635	0.821	1.121	31.10
3H-2	149.50	14.89	19.00		0.636	0.534	0.498	
3H-3	2.50	14.92	22.00		0.637			
3H-3	5.70	14.96	23.00	63.22	0.638	0.719	0.942	36.78
3H-3	8.50	14.98	24.00		0.638			
3H-3	11.50	15.01	22.00	65.32	0.639	0.791	0.810	34.68
3H-3	14.60	15.05	21.00	72.67	0.640	0.758	0.987	27.33
3H-3	17.50	15.07	20.00		0.641			
3H-3	20.50	15.10	21.00	72.36	0.642	-0.039	1.049	27.64
3H-3	23.50	15.13	21.00		0.643			
3H-3	26.50	15.16	24.00	66.20	0.644	0.450	0.940	33.80
3H-3	29.50	15.19	28.00	61.85	0.645	0.833	1.252	38.15
3H-3	32.50	15.22	29.00		0.645			
3H-3	35.50	15.25	30.00	58.04	0.646	0.046	1.377	41.96
3H-3	38.50	15.28	32.00		0.647			
3H-3	41.60	15.32	33.00	60.68	0.648	0.928	1.197	39.32
3H-3	44.50	15.34	36.00	55.64	0.649	0.503	0.701	44.36
3H-3	47.60	15.38	41.00		0.650			
3H-3	50.60	15.41	43.00	55.40	0.651	0.521	0.635	44.60
3H-3	53.60	15.44	48.00		0.652			
3H-3	56.50	15.46	57.00	52.78	0.652	0.567	0.482	47.22
3H-3	59.50	15.49	62.00	45.99	0.653	0.650	0.564	54.01
3H-3	62.60	15.53	62.00		0.655			
3H-3	65.50	15.55	51.00	61.47	0.655	0.422	0.551	38.53
3H-3	68.50	15.59	41.00		0.656			
3H-3	71.50	15.61	38.00	63.31	0.657	0.358	0.563	36.69
3H-3	74.60	15.65	38.00	60.59	0.658	0.124	0.445	39.41
3H-3	77.50	15.67	40.00		0.659			
3H-3	80.60	15.71	38.00	59.12	0.660	0.029	0.541	40.88
3H-3	83.50	15.73	33.00		0.660			
3H-3	86.60	15.77	30.00	62.95	0.662	0.230	0.787	37.05
3H-3	89.50	15.80	30.00	53.80	0.662	-0.054	1.227	46.20
3H-3	92.60	15.83	26.00		0.663			
3H-3	95.50	15.85	23.00	50.74	0.664	-0.102	1.257	49.26
3H-3	98.60	15.89	21.00		0.665			
3H-3	101.50	15.91	20.00	50.41	0.666	0.130	1.573	49.59
3H-3	104.60	15.95	21.00	51.73	0.667	0.602	2.560	48.27
3H-3	107.60	15.98	19.00		0.668			
3H-3	110.50	16.00	19.00	56.87	0.668	0.229	1.550	43.13
3H-3	113.70	16.04	19.00		0.670			
3H-3	116.60	16.07	19.00	57.00	0.670	0.271	1.633	43.00
3H-3	119.50	16.09	17.00	59.67	0.671	0.030	1.356	40.33
3H-3	122.60	16.13	18.00		0.672			
3H-3	125.60	16.16	19.00	60.11	0.673	-0.053	1.285	39.89
3H-3	128.60	16.19	19.00		0.674			
3H-3	131.60	16.22	19.00	63.95	0.675	-0.313	1.351	36.05
3H-3	134.50	16.24	19.00	63.66	0.675	0.323	1.620	36.34
3H-3	137.60	16.28	20.00		0.677			
3H-3	140.50	16.31	19.00	62.72	0.677	0.143	1.509	37.28
3H-3	143.60	16.34	18.00		0.678			
3H-3	146.50	16.36	17.00	62.82	0.679	-0.065	1.294	37.18
3H-3	149.50	16.40	10.00		0.680	0.055	1.230	
3H-4	2.50	16.42	18.00		0.681			
3H-4	5.50	16.45	20.00	59.80	0.682	0.102	1.463	40.20
3H-4	8.50	16.48	21.00		0.682			
3H-4	11.50	16.51	21.00	57.76	0.683	0.692	2.379	42.24
3H-4	14.50	16.55	23.00	55.83	0.684	0.530	1.624	44.17
3H-4	17.50	16.57	24.00		0.685			
3H-4	20.60	16.61	24.00	55.94	0.686	0.355	1.318	44.06
3H-4	23.50	16.64	25.00		0.687			
3H-4	26.50	16.66	26.00	59.98	0.688	0.030	1.150	40.02
3H-4	29.50	16.69	27.00	64.69	0.689			35.31
3H-4	32.50	16.73	27.00		0.690			
3H-4	35.50	16.75	27.00	62.23	0.690			37.77
3H-4	38.60	16.79	28.00		0.692			
3H-4	41.50	16.82	28.00	60.55	0.692	0.651	1.295	39.45
3H-4	44.60	16.85	27.00	61.59	0.693	0.711	0.797	38.41
3H-4	47.50	16.88	24.00		0.694			
3H-4	50.60	16.91	23.00	70.27	0.695	0.515	0.688	29.73
3H-4	53.50	16.93	21.00		0.696			
3H-4	56.50	16.97	20.00	71.29	0.697	0.504	0.806	28.71
3H-4	59.50	16.99	18.00	72.88	0.697	0.556	1.012	27.12
3H-4	62.60	17.03	17.00		0.699			
3H-4	65.50	17.06	17.00	71.88	0.699	0.391	0.636	28.12
3H-4	68.50	17.08	16.00		0.700			
3H-4	71.70	17.12	18.00	71.38	0.701	0.335	0.887	28.62
3H-4	74.60	17.15	20.00	62.95	0.702	0.509	1.334	37.05
3H-4	77.50	17.17	20.00		0.703			
3H-4	80.50	17.20	22.00	62.32	0.704	0.404	1.557	37.68
3H-4	83.50	17.23	22.00		0.704			
3H-4	86.50	17.26	25.00	59.19	0.705	0.217	1.275	40.81
3H-4	89.50	17.30	33.00	47.63	0.707	0.381	1.147	52.37
3H-4	92.70	17.33	40.00		0.707			
3H-4	95.50	17.35	46.00	44.42	0.708	0.568	1.120	55.58
3H-4	98.60	17.39	50.00		0.709			
3H-4	101.60	17.42	48.00	48.65	0.710	0.181	0.803	51.35
3H-4	104.70	17.45	40.00	45.72	0.711	1.579	0.873	54.28
3H-4	107.60	17.48	27.00		0.712			
3H-4	110.50	17.50	21.00	61.49	0.712	0.275	0.791	38.51
3H-4	113.60	17.54	14.00		0.714			
3H-4	116.70	17.57	13.00	70.94	0.714	0.389	0.792	29.06
3H-4	119.50	17.59	15.00	72.50	0.715	0.341	0.909	27.50
3H-4	122.50	17.63	16.00		0.716			
3H-4	125.50	17.65	17.00	70.46	0.717	1.189	0.754	29.54
3H-4	128.50	17.68	17.00		0.718			
3H-4	131.50	17.72	17.00	71.69	0.719	0.293	0.950	28.31
3H-4	134.60	17.75	18.00	72.66	0.720	0.282	0.863	27.34
3H-4	137.60	17.78	20.00		0.721			

Table 1 (continued).

Core, section	Top of interval (cm)	Depth (mbsf)	Magnetic susceptibility (W/[m · K])	Carbonate (wt%)	Age (Ma)	$\delta^{13}C$	$\delta^{18}O$	Noncarbonate material (%)
132-810C-								
3H-4	140.50	17.81	19.00	68.13	0.722	0.995	-0.377	31.87
3H-4	143.60	17.84	19.00		0.722			
3H-4	146.50	17.86	21.00	65.10	0.723	0.310	1.114	34.90
3H-4	149.50	17.90	17.00		0.724			
3H-5	2.50	17.92	20.30		0.725			
3H-5	5.50	17.95	25.20	57.93	0.726			42.07
3H-5	8.50	17.98	26.70		0.726			
3H-5	11.50	18.01	24.50	54.61	0.727			45.39
3H-5	14.50	18.05	19.20	79.04	0.729			20.96
3H-5	17.60	18.08	16.60		0.729			
3H-5	20.50	18.10	18.00	76.47	0.730			23.53
3H-5	23.60	18.14	16.00		0.733			
3H-5	26.50	18.16	14.70	75.87	0.734			24.13
3H-5	29.50	18.19	14.30	72.25	0.736			27.75
3H-5	32.60	18.23	15.00		0.739			
3H-5	35.50	18.25	15.90	67.03	0.740			32.97
3H-5	38.50	18.28	16.00		0.742			
3H-5	41.50	18.32	15.40	65.29	0.745			34.71
3H-5	44.60	18.35	14.90	64.92	0.747			35.08
3H-5	47.60	18.38	14.70		0.749			
3H-5	50.50	18.40	15.10	68.50	0.750			31.50
3H-5	53.50	18.43	15.10		0.752			
3H-5	56.50	18.47	14.20	69.20	0.755			30.80
3H-5	59.50	18.49	13.10	68.90	0.756			31.10
3H-5	62.50	18.52	12.10		0.758			
3H-5	65.50	18.56	11.50	71.43	0.761			28.57
3H-5	68.50	18.58	11.00		0.762			
3H-5	71.50	18.61	12.20	76.13	0.764			23.87
3H-5	74.50	18.65	12.90	74.82	0.767			25.18
3H-5	77.60	18.68	14.30		0.769			
3H-5	80.50	18.70	15.00	71.99	0.770			28.01
3H-5	83.60	18.74	15.30		0.773			
3H-5	86.60	18.77	14.90	71.86	0.775			28.14
3H-5	89.50	18.80	14.80	72.27	0.777			27.73
3H-5	92.60	18.83	15.90		0.779			
3H-5	95.50	18.85	17.60	72.44	0.780			27.56
3H-5	98.50	18.89	22.10		0.783			
3H-5	101.50	18.91	25.80	59.71	0.784			40.29
3H-5	104.50	18.94	24.20	56.64	0.786			43.36
3H-5	107.50	18.98	22.70		0.789			
3H-5	110.70	19.01	21.50	55.62	0.791			44.38
3H-5	113.50	19.03	20.60		0.792			
3H-5	116.60	19.07	19.80	53.11	0.795			46.89
3H-5	119.50	19.09	19.10	57.92	0.796			42.08
3H-5	122.50	19.13	18.90		0.799			
3H-5	125.50	19.15	19.50	56.78	0.800			43.22
3H-5	128.60	19.19	19.50	58.53	0.803			41.47
3H-5	131.50	19.22	19.30		0.805			
3H-5	134.50	19.24	18.70	60.11	0.806			39.89
3H-5	137.60	19.28	18.50		0.809			
3H-5	140.50	19.31	18.00		0.811			
3H-5	143.60	19.34	16.80		0.813			
3H-5	146.50	19.36	16.10		0.814			
3H-5	149.60	19.40	10.20	60.70	0.817			39.30
3H-6	2.50	19.42	15.30		0.818			
3H-6	5.50	19.45	17.50	62.77	0.820			37.23
3H-6	8.50	19.48	17.70		0.822			
3H-6	11.50	19.51	18.80	65.75	0.824			34.25
3H-6	14.50	19.55	18.20	60.92	0.827			39.08
3H-6	17.50	19.57	17.90		0.828			
3H-6	20.60	19.61	18.20	56.52	0.831			43.48
3H-6	23.50	19.64	18.90		0.833			
3H-6	26.50	19.66	20.80	59.86	0.834			40.14
3H-6	29.50	19.69	20.00	73.58	0.836			26.42
3H-6	32.50	19.73	17.40		0.839			
3H-6	35.50	19.75	15.50	75.41	0.840			24.59
3H-6	38.60	19.79	14.70		0.843			
3H-6	41.70	19.82	14.20	71.80	0.845			28.20
3H-6	44.50	19.84	13.70	71.40	0.846			28.60
3H-6	47.70	19.88	13.80		0.849			
3H-6	50.50	19.90	14.80	71.65	0.850			28.35
3H-6	53.50	19.93	16.60		0.852			
3H-6	56.50	19.97	19.40	64.10	0.855			35.90
3H-6	59.50	19.99	25.00	59.68	0.856			40.32
3H-6	62.50	20.02	21.00		0.858			
3H-6	65.50	20.06	17.40	60.13	0.861			39.87
3H-6	68.70	20.09	18.10		0.863			
3H-6	71.50	20.11	19.40	60.81	0.864			39.19
3H-6	74.50	20.15	19.50	62.36	0.867			37.64
3H-6	77.50	20.17	18.40		0.868			
3H-6	80.50	20.20	16.00	72.48	0.870			27.52
3H-6	83.50	20.23	13.10		0.872			
3H-6	86.50	20.26	10.50	82.31	0.874			17.69
3H-6	89.50	20.30	9.70	83.54	0.877			16.46
3H-6	92.60	20.33	8.30		0.879			
3H-6	95.50	20.35	7.40	85.80	0.880			14.20
3H-6	98.50	20.39	7.60		0.883			
3H-6	101.50	20.41	8.50	84.70	0.884			15.30
3H-6	104.60	20.45	10.40	78.93	0.887			21.07
3H-6	107.70	20.48	13.40		0.889			
3H-6	110.50	20.50	17.00	67.69	0.890			32.31
3H-6	113.70	20.54	20.30		0.893			
3H-6	116.60	20.57	22.20	56.18	0.895			43.82
3H-6	119.50	20.59	25.40	63.85	0.896			36.15
3H-6	122.50	20.63	28.60		0.899			
3H-6	125.50	20.65	30.70	68.46	0.900			31.54
3H-6	128.50	20.68	35.10		0.902			
3H-6	131.50	20.72	38.00	62.66	0.905			37.34
3H-6	134.70	20.75	30.30	78.29	0.907			21.71
132-810C-								
3H-6	137.60	20.78	14.40		0.909			
3H-6	140.70	20.81	10.00	83.47	0.911			16.53
3H-6	143.50	20.83	10.80		0.914			
3H-6	146.50	20.86	13.80	76.17	0.919			23.83
3H-6	149.50	20.90	10.20		0.925			
3H-7	2.50	20.92	12.70		0.927			
3H-7	5.50	20.95	15.40	65.41	0.932			34.59
3H-7	8.50	20.98	15.70		0.936			
3H-7	11.50	21.01	15.10	72.57	0.940			27.43
3H-7	14.50	21.05	14.00	76.85	0.946			23.15
3H-7	17.50	21.07	14.50		0.949			
3H-7	20.50	21.10	15.80	79.41	0.953			20.59
3H-7	23.50	21.14	16.80		0.959			
3H-7	26.50	21.16	16.60	74.24	0.962			25.76
3H-7	29.50	21.19	17.30	77.57	0.967			22.43
3H-7	32.50	21.23	20.10		0.972			
3H-7	35.50	21.25	23.30	71.58	0.975			28.42
3H-7	38.50	21.28	31.90		0.979			
3H-7	41.50	21.32	36.10	61.51	0.985			38.49
3H-7	44.60	21.35	31.90	68.00	0.990			32.00
3H-7	47.60	21.38	30.60		0.994			
3H-7	50.50	21.40	32.00	65.68	0.997			34.32
4H-1	2.50	21.42	22.60		1.000			
4H-1	5.50	21.45	27.20	52.95	1.004			47.05
4H-1	8.50	21.48	17.30		1.008			
4H-1	11.50	21.51	13.70	54.41	1.013			45.59
4H-1	14.50	21.55	13.10	61.00	1.019			39.00
4H-1	17.50	21.57	13.10		1.021			
4H-1	20.50	21.60	13.90	53.90	1.026			46.10
4H-1	23.50	21.64	13.50		1.032			
4H-1	26.50	21.66	12.00	59.56	1.034			40.44
4H-1	29.50	21.69	13.40	53.26	1.039			46.74
4H-1	32.50	21.73	15.60		1.045			
4H-1	35.60	21.76	15.50	71.79	1.049			28.21
4H-1	38.50	21.78	15.20		1.052			
4H-1	41.70	21.82	13.10	62.65	1.058			37.35
4H-1	44.70	21.85	11.80	78.38	1.062			21.62
4H-1	47.60	21.88	11.30		1.066			
4H-1	50.60	21.91	11.50	74.92	1.071			25.08
4H-1	53.50	21.93	11.50		1.074			
4H-1	56.50	21.97	11.60	72.79	1.079			27.21
4H-1	59.50	21.99	12.20	68.79	1.082			31.21
4H-1	62.50	22.02	13.90		1.087			
4H-1	65.50	22.06	15.70	62.15	1.092			37.85
4H-1	68.50	22.08	18.80		1.095			
4H-1	71.70	22.12	19.70	55.64	1.101			44.36
4H-1	74.60	22.15	18.20	57.83	1.105			42.17
4H-1	77.50	22.17	18.90		1.108			
4H-1	80.60	22.21	11.90	83.55	1.114			16.45
4H-1	83.50	22.23	8.80		1.117			
4H-1	86.60	22.27	8.10	84.57	1.123			15.43
4H-1	89.50	22.30	7.30	86.16	1.127			13.84
4H-1	92.60	22.33	7.40		1.132			
4H-1	95.50	22.35	7.90	84.58	1.134			15.42
4H-1	98.70	22.39	8.20		1.140			
4H-1	101.50	22.41	8.60	83.70	1.143			16.30
4H-1	104.60	22.45	10.60	82.35	1.149			17.65
4H-1	107.60	22.48	10.70		1.153			
4H-1	110.60	22.51	10.60	80.15	1.158			19.85
4H-1	113.50	22.53	11.50		1.160			
4H-1	116.50	22.57	12.10	78.97	1.166			21.03
4H-1	119.50	22.59	11.40	76.94	1.169			23.06
4H-1	122.60	22.63	11.10		1.175			
4H-1	125.50	22.65	12.90	76.64	1.178			23.36
4H-1	128.50	22.68	12.40		1.182			
4H-1	131.50	22.72	13.00	75.54	1.188			24.46
4H-1	134.50	22.74	13.50	75.04	1.191			24.96
4H-1	137.50	22.77	14.20		1.195			
4H-1	140.50	22.81	16.90	69.73	1.201			30.27
4H-1	143.50	22.83	19.50		1.204			
4H-1	146.50	22.86	18.10	65.57	1.208			34.43
4H-1	149.50	22.90	11.00	61.23	1.214			38.77
4H-2	2.50	22.92	18.10		1.217			
4H-2	5.60	22.96	21.60	79.22	1.223			20.78
4H-2	8.50	22.98	20.30		1.226			
4H-2	11.50	23.01	18.90	86.03	1.230			13.97
4H-2	14.50	23.05	17.20	75.91	1.236			24.09
4H-2	17.50	23.07	18.30		1.239			
4H-2	20.50	23.10	24.50	62.88	1.243			37.12
4H-2	23.50	23.14	34.40		1.249			
4H-2	26.60	23.17	29.10	39.89	1.253			60.11
4H-2	29.50	23.19	17.30	88.96	1.256			11.04
4H-2	32.50	23.23	14.40		1.262			
4H-2	35.50	23.25	14.00	54.91	1.265			45.09
4H-2	38.50	23.28	12.60		1.269			
4H-2	41.60	23.32	12.30	78.44	1.275	1.136	0.526	21.56
4H-2	44.50	23.34	12.10	79.57	1.278			20.43
4H-2	47.50	23.38	11.20		1.283			
4H-2	50.50	23.40	10.90	80.62	1.286	0.550	0.744	19.38
4H-2	53.50	23.43	11.10		1.291			
4H-2	56.60	23.47	11.80	77.22	1.297	0.401	0.780	22.78
4H-2	59.50	23.49	10.80	79.29	1.299	0.283	-0.067	20.71
4H-2	62.50	23.52	10.40		1.304			
4H-2	65.50	23.56	11.10	74.31	1.310	0.894	0.472	25.69
4H-2	68.60	23.59	13.60		1.314			
4H-2	71.70	23.62	14.80	70.00	1.318	0.983	0.504	30.00
4H-2	74.70	23.65	14.90	75.57	1.323	0.941	0.484	24.43
4H-2	77.50	23.67	14.40		1.325			
4H-2	80.50	23.70	15.20	65.27	1.330	0.699	0.769	34.73

Table 1 (continued).

Core, section	Top of interval (cm)	Depth (mbsf)	Magnetic susceptibility (W/[m · K])	Carbonate (wt%)	Age (Ma)	$\delta^{13}C$	$\delta^{18}O$	Noncarbonate material (%)
132-810C-								
4H-2	83.50	23.73	17.60		1.334			
4H-2	86.50	23.76	18.80	53.98	1.338	1.078	1.082	46.02
4H-2	89.50	23.80	18.60	70.91	1.344	1.417	0.360	29.09
4H-2	92.60	23.83	17.00		1.349			
4H-2	95.60	23.86	15.70	83.09	1.353	0.522	0.948	16.91
4H-2	98.50	23.89	13.50		1.357			
4H-2	101.50	23.91	9.50	85.28	1.360	1.565	0.728	14.72
4H-2	104.50	23.94	8.50	85.18	1.365	1.386	0.716	14.82
4H-2	107.50	23.98	8.10		1.370			
4H-2	110.60	24.01	8.00	84.78	1.375	0.644	0.084	15.22
4H-2	113.60	24.04	7.70		1.379			
4H-2	116.50	24.07	7.80	83.19	1.383	0.716	0.345	16.81
4H-2	119.50	24.09	8.10	83.26	1.386	0.481	0.909	16.74
4H-2	122.50	24.13	8.20		1.392			
4H-2	125.50	24.15	7.70	84.62	1.395	0.607	0.388	15.38
4H-2	128.50	24.18	7.40		1.399			
4H-2	131.50	24.22	6.20	83.68	1.405	1.380	0.241	16.32
4H-2	134.50	24.24	5.80	83.72	1.408	1.061	-0.005	16.28
4H-2	137.50	24.27	6.20		1.412			
4H-2	140.50	24.31	6.10	83.28	1.418	0.981	0.546	16.72
4H-2	143.60	24.34	6.80		1.423			
4H-2	146.60	24.37	7.60	83.61	1.427	0.927	0.196	16.39
4H-2	149.50	24.40	5.10	76.83	1.431	0.242	0.774	23.17
4H-3	2.50	24.42	10.00		1.434			
4H-3	5.60	24.46	12.20	71.91	1.440	0.123	0.847	28.09
4H-3	8.50	24.48	14.30		1.443			
4H-3	11.50	24.51	14.90	59.31	1.447	0.111	1.253	40.69
4H-3	14.60	24.55	14.80	62.01	1.453	0.258	1.068	37.99
4H-3	17.50	24.57	16.00		1.456			
4H-3	20.50	24.60	17.40	63.33	1.460	0.236	1.039	36.67
4H-3	23.60	24.64	18.00		1.466			
4H-3	26.50	24.66	16.90	56.07	1.469	0.586	1.587	43.93
4H-3	29.50	24.69	15.50	58.28	1.473			41.72
4H-3	32.50	24.73	15.20		1.479			
4H-3	35.70	24.76	14.80	55.19	1.483	1.619	1.604	44.81
4H-3	38.60	24.79	14.60		1.488			
4H-3	41.60	24.82	14.70	57.81	1.492	1.548	1.253	42.19
4H-3	44.50	24.84	12.80	71.23	1.495			28.77
4H-3	47.50	24.88	10.80		1.501			
4H-3	50.50	24.90	9.70	78.41	1.504	2.281	2.339	21.59
4H-3	53.60	24.94	9.50		1.509			
4H-3	56.50	24.97	9.80	79.61	1.514	1.367	1.561	20.39
4H-3	59.50	24.99	9.10	81.78	1.517			18.22
4H-3	62.70	25.03	9.20		1.522			
4H-3	65.50	25.06	9.60	81.02	1.527	0.726	0.428	18.98
4H-3	68.50	25.08	9.70		1.530			
4H-3	71.50	25.11	9.80	78.58	1.534	0.762	0.313	21.42
4H-3	74.60	25.15	9.90	77.48	1.540	0.973	0.530	22.52
4H-3	77.60	25.18	10.10		1.544			
4H-3	80.60	25.21	8.70	85.14	1.549	2.189	2.755	14.86
4H-3	83.60	25.24	6.90		1.553			
4H-3	86.50	25.26	5.80	83.87	1.556			16.13
4H-3	89.60	25.30	5.80	83.16	1.562			16.84
4H-3	92.60	25.33	6.40		1.566			
4H-3	95.60	25.36	5.70	83.65	1.570	0.782	0.727	16.35
4H-3	98.50	25.39	5.50		1.574			
4H-3	101.50	25.41	6.10	79.73	1.577	1.072	1.016	20.27
4H-3	104.50	25.44	6.80	72.55	1.582	1.975	2.050	27.45
4H-3	107.60	25.48	7.50		1.588			
4H-3	110.50	25.50	7.60	68.72	1.590	1.064	1.215	31.28
4H-3	113.50	25.53	8.50		1.595			
4H-3	116.60	25.57	9.10	59.58	1.601	0.899	1.685	40.42
4H-3	119.50	25.59	9.40	62.47	1.604	1.392	1.550	37.53
4H-3	122.50	25.63	9.40		1.609			
4H-3	125.50	25.65	9.40	60.94	1.612	1.432	0.678	39.06
4H-3	128.60	25.69	11.90		1.618			
4H-3	131.50	25.72	22.20		1.622			
4H-3	134.50	25.74	33.20	56.36	1.625			43.64
4H-3	137.50	25.77	21.90		1.629			
4H-3	140.70	25.81	17.30	57.71	1.635	1.592	0.808	42.29
4H-3	143.50	25.83	14.50		1.638			
4H-3	146.50	25.86	12.30	62.45	1.643	2.772	3.140	37.55
4H-3	149.70	25.90	7.60	74.85	1.648	1.479	1.496	25.15
4H-4	2.60	25.93	7.10		1.653			
4H-4	5.50	25.95	6.10	79.75	1.656			20.25
4H-4	8.50	25.98	6.70		1.660			
4H-4	11.50	26.01	7.90	81.58	1.664	0.808	2.045	18.42
4H-4	14.50	26.05	6.50	84.18	1.670	1.599	0.570	15.82
4H-4	17.50	26.07	5.40		1.673			
4H-4	20.50	26.10	4.90	82.93	1.677	1.144	1.099	17.07
4H-4	23.60	26.14	5.50		1.683			
4H-4	26.50	26.16	5.80	81.83	1.686	0.625	0.854	18.17
4H-4	29.60	26.20	5.60	80.57	1.692	1.288	0.611	19.43
4H-4	32.60	26.23	5.30		1.696			
4H-4	35.50	26.25	5.10	80.43	1.699	0.705	1.669	19.57
4H-4	38.50	26.28	5.20		1.703			
4H-4	41.50	26.32	5.20	81.34	1.709	0.913	1.384	18.66
4H-4	44.50	26.34	5.30	78.26	1.712	0.568	0.973	21.74
4H-4	47.50	26.38	5.60		1.718			
4H-4	50.50	26.40	6.40	77.05	1.721	0.966	1.170	22.95
4H-4	53.50	26.43	8.20		1.725			
4H-4	56.60	26.47	9.90	72.94	1.731	1.253	0.941	27.06
4H-4	59.60	26.50	10.40	65.59	1.735	1.224	1.119	34.41
4H-4	62.50	26.52	11.60		1.738			
4H-4	65.50	26.56	12.20	63.84	1.744	0.684	1.360	36.16
4H-4	68.50	26.58	10.90		1.747			
4H-4	71.60	26.62	10.90	61.26	1.753	1.101	1.488	38.74
4H-4	74.50	26.65	11.90	58.55	1.757	1.086	1.359	41.45
4H-4	77.50	26.67	18.60		1.760			
132-810C-								
4H-4	80.50	26.70	21.10	55.52	1.764	1.279	0.672	44.48
4H-4	83.50	26.73	13.60		1.769			
4H-4	86.50	26.76	15.10	65.49	1.773	1.485	0.924	34.51
4H-4	89.50	26.80	18.50	60.80	1.779	0.825	0.866	39.20
4H-4	92.50	26.82	21.00		1.782			
4H-4	95.70	26.86	21.70	64.88	1.787	1.520	1.682	35.12
4H-4	98.60	26.89	21.60		1.792			
4H-4	101.60	26.92	28.20	56.50	1.796	2.520	2.653	43.50
4H-4	104.50	26.94	31.90	59.50	1.799	1.226	1.175	40.50
4H-4	107.60	26.98	30.10		1.805			
4H-4	110.50	27.00	22.90	54.25	1.808			45.75
4H-4	113.50	27.03	13.70		1.812			
4H-4	116.60	27.07	9.00	77.11	1.818	1.715	1.448	22.89
4H-4	119.50	27.09	8.00	76.77	1.821	1.361	1.209	23.23
4H-4	122.60	27.13	8.00		1.826			
4H-4	125.70	27.16	8.00	80.02	1.831	1.401	1.307	19.98
4H-4	128.50	27.18	9.80		1.834			
4H-4	131.60	27.22	15.00	74.80	1.840	1.235	1.330	25.20
4H-4	134.50	27.24	18.50	64.03	1.842	0.702	1.028	35.97
4H-4	137.50	27.27	14.60		1.847			
4H-4	140.60	27.31	9.10	75.01	1.853			24.99
4H-4	143.50	27.33	7.20		1.855			
4H-4	146.50	27.36	6.90	78.52	1.860			21.48
4H-4	149.50	27.40	5.20	76.87	1.865			23.13
4H-5	2.50	27.42	6.90		1.868			
4H-5	5.70	27.46	7.70	75.85	1.874			24.15
4H-5	8.50	27.48	7.70		1.877			
4H-5	11.50	27.51	7.50	76.00	1.881			24.00
4H-5	14.60	27.55	8.10	78.02	1.883			21.98
4H-5	17.60	27.58	8.00		1.885			
4H-5	20.60	27.61	8.90	79.08	1.887			20.92
4H-5	23.50	27.64	11.70		1.890			
4H-5	26.50	27.66	13.50	75.18	1.891			24.82
4H-5	29.50	27.69	12.10	68.80	1.893			31.20
4H-5	32.50	27.73	12.80		1.896			
4H-5	35.50	27.75	12.90	63.96	1.897			36.04
4H-5	38.50	27.78	13.00		1.899			
4H-5	41.50	27.82	13.30	51.55	1.902			48.45
4H-5	44.50	27.84	11.20	53.83	1.903			46.17
4H-5	47.50	27.88	9.10		1.906			
4H-5	50.60	27.91	9.40	74.31	1.908			25.69
4H-5	53.50	27.93	9.60		1.909			
4H-5	56.60	27.97	10.40	70.51	1.912			29.49
4H-5	59.50	27.99	11.20	59.07	1.914			40.93
4H-5	62.50	28.02	10.40		1.916			
4H-5	65.50	28.06	9.20	71.77	1.918			28.23
4H-5	68.50	28.08	9.20		1.920			
4H-5	71.60	28.12	9.40	64.57	1.922			35.43
4H-5	74.60	28.15	8.80	77.44	1.925			22.56
4H-5	77.60	28.18	8.50		1.927			
4H-5	80.70	28.21	7.80	77.53	1.929			22.47
4H-5	83.50	28.23	7.40		1.930			
4H-5	86.60	28.27	6.70	74.83	1.933			25.17
4H-5	89.50	28.30	5.80	70.49	1.935			29.51
4H-5	92.50	28.32	5.60		1.936			
4H-5	95.70	28.36	7.80	69.28	1.939			30.72
4H-5	98.50	28.39	9.60		1.941			
4H-5	101.60	28.42	8.50	65.85	1.943			34.15
4H-5	104.60	28.45	8.00	81.88	1.945			18.12
4H-5	107.50	28.48	11.20		1.947			
4H-5	110.50	28.50	14.40	80.29	1.948			19.71
4H-5	113.50	28.53	12.30		1.950			
4H-5	116.50	28.57	15.40	77.23	1.953			22.77
4H-5	119.50	28.59	19.30	67.84	1.955			32.16
4H-5	122.50	28.63	22.60		1.957			
4H-5	125.50	28.65	20.00	71.00	1.959			29.00
4H-5	128.50	28.68	17.20		1.961			
4H-5	131.50	28.72	20.80	62.44	1.963			37.56
4H-5	134.50	28.74	22.30	52.01	1.965			47.99
4H-5	137.50	28.77	16.70		1.967			
4H-5	140.50	28.81	11.50	71.94	1.970			28.06
4H-5	143.70	28.84	9.60		1.972			
4H-5	146.50	28.86	8.20	69.41	1.973			30.59
4H-5	149.50	28.90	5.30	85.18	1.976			14.82
4H-6	2.50	28.92	8.70		1.977			
4H-6	5.50	28.95	7.50	86.01	1.979			13.99
4H-6	8.60	28.99	5.20		1.982			
4H-6	11.50	29.01	4.50	87.12	1.983			12.88
4H-6	14.50	29.05	4.50	86.88	1.986			13.12
4H-6	17.50	29.07	4.70		1.987			
4H-6	20.50	29.10	4.30	87.01	1.990			12.99
4H-6	23.50	29.14	4.30		1.992			
4H-6	26.60	29.17	4.70	87.25	1.994			12.75
4H-6	29.50	29.19	5.10	86.62	1.996			13.38
4H-6	32.50	29.23	6.00		1.998			
4H-6	35.50	29.25	7.80	81.96	2.000			18.04
4H-6	38.60	29.29	8.60		2.002			
4H-6	41.50	29.32	8.10	75.43	2.004			24.57
4H-6	44.50	29.34	7.70	74.54	2.006			25.46
4H-6	47.60	29.38	7.40		2.009			
4H-6	50.60	29.41	6.70	72.23	2.011			27.77
4H-6	53.50	29.43	7.10		2.012			
4H-6	56.50	29.47	7.70	77.86	2.015			22.14
4H-6	59.60	29.50	7.90	80.68	2.017			19.32
4H-6	62.50	29.52	7.30		2.018			
4H-6	65.60	29.56	7.40	76.21	2.021			23.79
4H-6	68.50	29.58	10.10		2.022			
4H-6	71.50	29.61	9.40	63.53	2.024			36.47
4H-6	74.70	29.65	7.70	80.89	2.027			19.11

Table 1 (continued).

Core, section	Top of interval (cm)	Depth (mbsf)	Magnetic susceptibility (W/[m · K])	Carbonate (wt%)	Age (Ma)	$\delta^{13}C$	$\delta^{18}O$	Noncarbonate material (%)
132-810C-								
4H-6	77.70	29.68	6.60		2.029			
4H-6	80.50	29.70	6.00	82.31	2.030			17.69
4H-6	83.50	29.73	5.80		2.033			
4H-6	86.50	29.76	5.80	85.35	2.035			14.65
4H-6	89.50	29.80	5.60	87.43	2.037			12.57
4H-6	92.70	29.83	6.10		2.039			
4H-6	95.50	29.85	7.80	86.47	2.041			13.53
4H-6	98.50	29.89	11.00		2.043			
4H-6	101.50	29.91	12.50	84.68	2.045			15.32
4H-6	104.50	29.94	10.00	87.01	2.047			12.99
4H-6	107.60	29.98	9.10		2.050			
4H-6	110.50	30.00	9.60	83.82	2.051			16.18
4H-6	113.60	30.04	10.80		2.054			
4H-6	116.70	30.07	12.10	82.16	2.056			17.84
4H-6	119.50	30.09	13.40	78.69	2.057			21.31
4H-6	122.50	30.13	15.30		2.060			
4H-6	125.50	30.15	21.20	77.24	2.061			22.76
4H-6	128.50	30.18	26.50		2.063			
4H-6	131.50	30.22	19.70	76.66	2.066			23.34
4H-6	134.50	30.24	11.70	81.27	2.067			18.73
4H-6	137.70	30.28	7.90		2.070			
4H-6	140.60	30.31	7.20	81.46	2.072			18.54
4H-6	143.50	30.33	7.60		2.074			
4H-6	146.50	30.36	7.00	68.52	2.076			31.48
4H-6	149.50	30.40	3.90		2.078			
4H-7	2.50	30.42	5.20		2.080			
4H-7	5.50	30.45	7.30		2.082			
4H-7	8.50	30.48	9.00		2.084			
4H-7	11.50	30.51	11.30		2.086			
4H-7	14.50	30.55	15.40		2.089			
4H-7	17.50	30.57	16.90		2.090			
4H-7	20.50	30.60	12.40		2.092			
4H-7	23.50	30.64	11.40		2.095			
4H-7	26.50	30.66	11.60		2.096			
4H-7	29.50	30.69	12.10		2.098			
4H-7	32.50	30.73	17.40		2.101			
4H-7	35.50	30.75	18.10		2.102			
4H-7	38.50	30.78	10.60		2.104			
4H-7	41.50	30.82	6.20		2.107			
4H-7	44.60	30.85	5.70		2.109			
4H-7	47.50	30.88	6.40		2.111			
4H-7	50.50	30.90	6.60		2.113			
5H-1	2.50	30.92	10.70		2.114			
5H-1	5.50	30.95	7.50	77.60	2.116			22.40
5H-1	8.50	30.98	5.80		2.118			
5H-1	11.50	31.01	4.60	77.85	2.120			22.15
5H-1	17.60	31.08	3.60	81.88	2.125			18.12
5H-1	20.50	31.10	2.60	86.94	2.126			13.06
5H-1	23.50	31.14	3.70		2.129			
5H-1	26.50	31.16	3.80	86.68	2.130			13.32
5H-1	29.50	31.19	3.30		2.132			
5H-1	32.50	31.23	3.20	78.36	2.135			21.64
5H-1	35.60	31.26	2.60		2.137			
5H-1	38.50	31.28	3.20	84.88	2.139			15.12
5H-1	41.50	31.32	3.40	85.35	2.141			14.65
5H-1	44.50	31.34	3.90	80.23	2.142			19.77
5H-1	47.50	31.38	4.10		2.144			
5H-1	50.60	31.41	3.20	81.74	2.145			18.26
5H-1	53.50	31.43	3.30		2.146			
5H-1	56.60	31.47	3.90	79.48	2.148			20.52
5H-1	59.50	31.49	4.40	74.66	2.149			25.34
5H-1	62.60	31.53	4.90		2.151			
5H-1	65.50	31.56	5.00	71.31	2.153			28.69
5H-1	68.50	31.58	5.10		2.154			
5H-1	71.50	31.61	6.00	66.34	2.155			33.66
5H-1	74.50	31.65	6.70	62.87	2.157			37.13
5H-1	77.60	31.68	8.10		2.159			
5H-1	80.50	31.70	9.60	54.96	2.160			45.04
5H-1	83.50	31.73	10.00		2.161			
5H-1	86.50	31.76	9.30	57.96	2.163			42.04
5H-1	89.60	31.80	7.00	71.77	2.165			28.23
5H-1	92.50	31.82	5.80		2.166			
5H-1	95.60	31.86	6.20	79.84	2.168			20.16
5H-1	98.50	31.89	4.40		2.169			
5H-1	101.50	31.91	3.60	80.92	2.170			19.08
5H-1	104.50	31.94	2.70	83.67	2.171			16.33
5H-1	107.60	31.98	2.70		2.173			
5H-1	110.50	32.01	3.00	84.47	2.175			15.53
5H-1	113.50	32.03	3.10		2.176			
5H-1	116.50	32.06	3.10	84.01	2.177			15.99
5H-1	119.50	32.10	3.50	78.77	2.179			21.23
5H-1	122.50	32.13	4.60		2.181			
5H-1	125.50	32.15	5.10	75.65	2.182			24.35
5H-1	128.50	32.19	6.00		2.184			
5H-1	131.50	32.22	6.70	71.11	2.185			28.89
5H-1	134.50	32.24	6.10	72.48	2.186			27.52
5H-1	137.60	32.28	5.60		2.188			
5H-1	140.50	32.31	5.50	79.39	2.190			20.61
5H-1	143.50	32.33	6.70		2.191			
5H-1	146.50	32.36	8.40	80.28	2.192			19.72
5H-1	149.50	32.40	5.90	71.87	2.194			28.13
5H-2	2.50	32.43	9.80		2.196			
5H-2	5.50	32.46	11.10	75.28	2.197			24.72
5H-2	8.50	32.49	10.10		2.199			
5H-2	11.50	32.52	9.50	74.16	2.200			25.84
5H-2	14.50	32.55	9.10	74.62	2.202			25.38
5H-2	17.50	32.58	9.60		2.203			
5H-2	20.50	32.61	11.20	69.33	2.205			30.67
5H-2	23.50	32.64	11.90		2.206			
132-810C-								
5H-2	26.50	32.67	11.30		2.208			
5H-2	29.50	32.69	9.20	62.85	2.208			37.15
5H-2	32.50	32.73	7.90		2.210			
5H-2	35.50	32.76	7.80	70.37	2.212			29.63
5H-2	38.50	32.78	7.90		2.213			
5H-2	41.50	32.82	8.40	68.92	2.215			31.08
5H-2	44.50	32.85	9.30	61.58	2.216			38.42
5H-2	47.50	32.88	8.80		2.218			
5H-2	50.50	32.91	6.30	83.01	2.219			16.99
5H-2	53.50	32.94	5.40		2.221			
5H-2	56.50	32.97	4.50	81.20	2.222			18.80
5H-2	59.50	33.00	4.00	82.19	2.224			17.81
5H-2	62.50	33.03	4.30		2.225			
5H-2	65.50	33.06	4.30	81.49	2.227			18.51
5H-2	68.50	33.09	4.00		2.228			
5H-2	71.50	33.12	3.80	82.17	2.230			17.83
5H-2	74.50	33.15	3.90	81.89	2.231			18.11
5H-2	77.60	33.18	3.60		2.233			
5H-2	80.50	33.21	3.20	80.80	2.234			19.20
5H-2	83.50	33.24	2.80		2.236			
5H-2	86.70	33.27	3.00	79.93	2.237			20.07
5H-2	89.60	33.30	3.60	74.67	2.238			25.33
5H-2	92.70	33.33	5.00		2.240			
5H-2	95.50	33.36	6.30	70.27	2.242			29.73
5H-2	98.60	33.39	6.90		2.243			
5H-2	101.70	33.42	7.40	62.40	2.244			37.60
5H-2	104.60	33.45	8.60	59.78	2.246			40.22
5H-2	107.50	33.48	10.40		2.247			
5H-2	110.60	33.51	8.30	64.40	2.249			35.60
5H-2	113.50	33.53	5.20		2.250			
5H-2	116.60	33.57	3.80	85.56	2.252			14.44
5H-2	119.50	33.60	3.40	81.49	2.253			18.51
5H-2	122.50	33.63	3.60		2.255			
5H-2	125.50	33.66	4.30	83.83	2.256			16.17
5H-2	128.60	33.69	5.00		2.258			
5H-2	131.50	33.72	5.40	81.09	2.259			18.91
5H-2	134.50	33.75	5.70	77.38	2.261			22.62
5H-2	137.50	33.78	5.80		2.262			
5H-2	140.60	33.81	5.50		2.264			
5H-2	143.50	33.84	5.20	78.33	2.265			21.67
5H-2	146.50	33.87	5.20		2.267			
5H-2	149.60	33.90	3.60	73.30	2.268			26.70
5H-3	2.50	33.93	3.90	78.48	2.270			21.52
5H-3	5.50	33.96	4.30	77.74	2.271			22.26
5H-3	8.50	33.99	5.10		2.272			
5H-3	11.50	34.02	6.20	71.96	2.274			28.04
5H-3	14.50	34.05	7.10	67.08	2.275			32.92
5H-3	17.50	34.08	8.20		2.277			
5H-3	20.50	34.11	7.00	82.47	2.278			17.53
5H-3	23.50	34.14	6.60		2.280			
5H-3	26.50	34.17	7.10	77.15	2.281			22.85
5H-3	29.60	34.20	7.70	73.97	2.283			26.03
5H-3	32.50	34.23	7.30		2.284			
5H-3	35.50	34.26	8.40	62.76	2.286			37.24
5H-3	38.50	34.28	10.70		2.287			
5H-3	41.50	34.32	11.30	57.06	2.289			42.94
5H-3	44.50	34.35	12.10	36.61	2.290			63.39
5H-3	47.50	34.38	14.00		2.292			
5H-3	50.50	34.41	9.30	80.44	2.293			19.56
5H-3	53.50	34.44	6.60		2.295			
5H-3	56.50	34.47	5.90	80.27	2.296			19.73
5H-3	59.60	34.50	5.30	78.24	2.298			21.76
5H-3	62.50	34.53	5.00		2.299			
5H-3	65.50	34.56	5.40	82.91	2.301			17.09
5H-3	68.50	34.59	5.60		2.302			
5H-3	71.50	34.62	6.30	80.43	2.304			19.57
5H-3	74.60	34.65	6.60	77.71	2.305			22.29
5H-3	77.50	34.68	6.80		2.307			
5H-3	80.50	34.71	6.90	75.92	2.308			24.08
5H-3	83.60	34.74	7.20		2.309			
5H-3	86.50	34.77	7.30	75.74	2.311			24.26
5H-3	89.50	34.80	6.60	79.08	2.312			20.92
5H-3	92.50	34.83	5.80		2.314			
5H-3	95.50	34.86	5.90	80.54	2.315			19.46
5H-3	98.60	34.89	5.90		2.317			
5H-3	101.60	34.92	5.80	82.78	2.318			17.22
5H-3	104.50	34.94	5.00	85.36	2.319			14.64
5H-3	107.60	34.98	4.80		2.321			
5H-3	110.50	35.01	5.30	84.69	2.323			15.31
5H-3	113.50	35.03	5.90		2.324			
5H-3	116.70	35.07	6.00	84.84	2.326			15.16
5H-3	119.60	35.10	6.00	81.42	2.327			18.58
5H-3	122.50	35.13	6.60		2.329			
5H-3	125.50	35.16	7.90	78.89	2.330			21.11
5H-3	128.50	35.19	9.40		2.332			
5H-3	131.50	35.22	10.10	64.77	2.333			35.23
5H-3	134.50	35.25	10.40	75.17	2.335			24.83
5H-3	137.50	35.28	11.00		2.336			
5H-3	140.70	35.31	12.40	72.42	2.337			27.58
5H-3	143.60	35.34	14.70		2.339			
5H-3	146.50	35.37	16.40	67.46	2.340			32.54
5H-3	149.50	35.40	10.90	61.58	2.342			38.42
5H-4	2.50							
5H-4	5.50			77.37				22.63
5H-4	8.50							
5H-4	11.50			71.74				28.26
5H-4	14.50			80.64				19.36
5H-4	17.50							
5H-4	20.50			82.87				17.13

Table 1 (continued).

Core, section	Top of interval (cm)	Depth (mbsf)	Magnetic susceptibility (W/[m · K])	Carbonate (wt%)	Age (Ma)	$\delta^{13}C$	$\delta^{18}O$	Noncarbonate material (%)
132-810C-								
5H-4	23.50							
5H-4	26.50			80.12				19.88
5H-4	29.50			74.81				25.19
5H-4	32.50							
5H-4	35.50			72.75				27.25
5H-4	38.50							
5H-4	41.50			69.53				30.47
5H-4	44.50			61.19				38.81
5H-4	47.50							
5H-4	50.50			58.65				41.35
5H-4	53.50							
5H-4	56.50			63.34				36.66
5H-4	59.50			70.73				29.27
5H-4	62.50							
5H-4	65.50			83.34				16.66
5H-4	68.50							
5H-4	71.60			83.79				16.21
5H-4	74.50			83.18				16.82
5H-4	77.50							
5H-4	80.60			81.49				18.51
5H-4	83.50							
5H-4	86.50			81.66				18.34
5H-4	89.50			80.22				19.78
5H-4	92.50							
5H-4	95.50			80.18				19.82
5H-4	98.60			78.89				21.11
5H-4	101.50							
5H-4	104.50							
5H-4	107.50			66.05				33.95
5H-4	110.50			71.29				28.71
5H-4	113.60							
5H-4	116.50			70.79				29.21
5H-4	119.50			75.38				24.62
5H-4	122.60							
5H-4	125.60			70.76				29.24
5H-4	128.50							
5H-4	131.50			68.16				31.84
5H-4	134.50			60.57				39.43
5H-4	137.50							
5H-4	140.50			43.29				56.71
5H-4	143.50							
5H-4	146.50			49.23				50.77
5H-4	149.50			82.74				17.26
5H-5	2.50	36.93	3.10		2.417			
5H-5	5.50	36.96	2.80	85.16	2.419			14.84
5H-5	8.50	36.99	2.60		2.420			
5H-5	11.50	37.02	3.10	86.10	2.422			13.90
5H-5	14.50	37.05	3.40	85.10	2.423			14.90
5H-5	17.50	37.08	4.00		2.425			
5H-5	20.50	37.11	4.40	83.79	2.426			16.21
5H-5	23.50	37.14	4.70		2.428			
5H-5	26.50	37.17	4.90	78.77	2.429			21.23
5H-5	29.50	37.19	5.40	79.91	2.430			20.09
5H-5	32.50	37.23	6.10		2.432			
5H-5	35.50	37.26	6.20	77.45	2.434			22.55
5H-5	38.50	37.28	5.70		2.435			
5H-5	41.50	37.32	5.30	80.01	2.437			19.99
5H-5	44.50	37.35	5.40	80.20	2.438			19.80
5H-5	47.50	37.38	6.90		2.439			
5H-5	50.50	37.41	8.80	73.73	2.441			26.27
5H-5	53.50	37.44	10.40		2.442			
5H-5	56.50	37.47	14.90	67.28	2.444			32.72
5H-5	59.50	37.50	24.60	58.89	2.445			41.11
5H-5	62.50	37.53	43.10	23.43	2.447			76.57
5H-5	65.50	37.56	61.50		2.448			
5H-5	68.50	37.59	36.30	63.74	2.450			36.26
5H-5	71.60	37.62	17.40		2.451			
5H-5	74.50	37.65	9.50	78.36	2.453			21.64
5H-5	77.50	37.68	8.20		2.454			
5H-5	80.60	37.71	7.20	80.35	2.456			19.65
5H-5	83.50	37.74	6.40		2.457			
5H-5	86.50	37.77	5.90	83.07	2.459			16.93
5H-5	89.50	37.80	6.10	85.77	2.460			14.23
5H-5	92.50	37.83	6.10		2.462			
5H-5	95.50	37.86	6.20	84.85	2.463			15.15
5H-5	98.60	37.89	6.00		2.465			
5H-5	101.50	37.92	6.50	82.66	2.466			17.34
5H-5	104.50	37.94	7.50	80.42	2.467			19.58
5H-5	107.50	37.98	8.30		2.469			
5H-5	110.50	38.01	9.40	73.15	2.471			26.85
5H-5	113.60	38.04	11.30		2.472			
5H-5	116.50	38.07	13.50	67.15	2.474			32.85
5H-5	119.50	38.10	15.80	44.84	2.475			55.16
5H-5	122.60	38.13	15.70		2.477			
5H-5	125.60	38.16	12.70	74.54	2.479			25.46
5H-5	128.50	38.19	13.30		2.480			
5H-5	131.50	38.22	15.00	74.53	2.482			25.47
5H-5	134.50	38.25	17.50	71.73	2.484			28.27
5H-5	137.50	38.28	19.00		2.485			
5H-5	140.50	38.31	20.00	71.41	2.487			28.59
5H-5	143.50	38.34	16.40		2.488			
5H-5	146.50	38.37	9.90	84.54	2.490			15.46
5H-5	149.50	38.40	5.20	85.13	2.492			14.87
5H-6	2.50	38.43	7.00		2.493			
5H-6	5.50	38.46	9.20	84.67	2.495			15.33
5H-6	8.50	38.49	13.10		2.497			
5H-6	11.50	38.52	18.60	81.49	2.498			18.51
5H-6	14.50	38.55	26.00		2.500			
5H-6	17.50	38.58	29.70	76.57	2.501			23.43
5H-6	20.50	38.61	21.60	76.62	2.503			23.38
5H-6	23.50	38.64	10.90		2.505			
5H-6	26.50	38.67	9.10	68.96	2.506			31.04
5H-6	29.50	38.69	10.10	65.56	2.507			34.44
5H-6	32.50	38.73	10.50		2.510			
5H-6	35.50	38.76	9.70	63.64	2.511			36.36
5H-6	38.50	38.78	7.40		2.512			
5H-6	41.50	38.82	4.70	73.53	2.515			26.47
5H-6	44.50	38.85	3.60	85.31	2.516			14.69
5H-6	47.50	38.88	3.60		2.518			
5H-6	50.50	38.91	3.70	86.76	2.519			13.24
5H-6	53.50	38.94	4.20		2.521			
5H-6	56.50	38.97	4.90	87.94	2.523			12.06
5H-6	59.50	39.00	5.80	85.48	2.524			14.52
5H-6	62.50	39.03	6.60		2.526			
5H-6	65.50	39.06	7.10	83.73	2.527			16.27
5H-6	68.50	39.09	6.10		2.529			
5H-6	71.50	39.12	5.80	80.76	2.531			19.24
5H-6	74.50	39.15	5.80	81.51	2.532			18.49
5H-6	77.50	39.18	6.10		2.534			
5H-6	80.60	39.21	5.30	84.75	2.536			15.25
5H-6	83.50	39.24	5.40		2.537			
5H-6	86.50	39.27	5.30	87.39	2.539			12.61
5H-6	89.60	39.30	4.90	85.96	2.541			14.04
5H-6	92.50	39.33	4.00		2.542			
5H-6	95.50	39.36	3.80	85.66	2.544			14.34
5H-6	98.50	39.39	4.40		2.545			
5H-6	101.50	39.42	4.80	85.13	2.547			14.87
5H-6	104.60	39.45	5.00		2.549			
5H-6	107.50	39.48	5.80	82.46	2.550			17.54
5H-6	110.60	39.51	6.30	79.19	2.552			20.81
5H-6	113.50	39.53	6.00		2.553			
5H-6	116.50	39.57	7.20	75.97	2.555			24.03
5H-6	119.50	39.60	7.90		2.557			
5H-6	122.70	39.63	9.30	69.62	2.558			30.38
5H-6	125.50	39.66	10.10	70.93	2.560			29.07
5H-6	128.50	39.69	9.00		2.562			
5H-6	131.60	39.72	8.20	73.65	2.563			26.35
5H-6	134.50	39.75	7.50	73.08	2.565			26.92
5H-6	137.60	39.78	6.40		2.566			
5H-6	140.70	39.81	5.80	79.32	2.568			20.68
5H-6	143.60	39.84	5.10		2.570			
5H-6	146.60	39.87	5.20	81.63	2.571			18.37
5H-6	149.50	39.90	4.50		2.573			
5H-7	2.50	39.93	4.80	83.58	2.575			16.42
5H-7	5.50	39.96	5.10	84.38	2.576			15.62
5H-7	8.50	39.99	4.70		2.578			
5H-7	11.50	40.02	4.20	84.10	2.580			15.90
5H-7	14.50	40.05	4.80	79.55	2.581			20.45
5H-7	17.50	40.08	6.20		2.583			
5H-7	20.50	40.11	7.30	77.04	2.584			22.96
5H-7	23.50	40.14	8.70		2.586			
5H-7	26.50	40.17	10.40	73.89	2.588			26.11
5H-7	29.50	40.19	11.40	68.75	2.589			31.25
5H-7	32.50	40.23	13.30		2.591			
5H-7	35.50	40.26	16.00	61.39	2.592			38.61
5H-7	38.50	40.28	18.20		2.594			
5H-7	41.50	40.32	19.80	49.95	2.596			50.05
5H-7	44.50	40.35	20.20	52.70	2.597			47.30
5H-7	47.50	40.38	16.40		2.599			
5H-7	50.50	40.41	13.20	67.02	2.601			32.98
5H-7								
5H-7								
5H-8								
5H-8								
5H-8								
5H-8								
6H-1	2.50	40.43	11.30	80.44	2.602			19.56
6H-1	5.50	40.46	9.80	80.02	2.603			19.98
6H-1	8.50	40.49	9.90		2.605			
6H-1	11.50	40.52	10.30	81.37	2.607			18.63
6H-1	14.50	40.55	10.30	81.35	2.608			18.65
6H-1	17.50	40.58	10.60		2.610			
6H-1	20.50	40.61	15.60	70.06	2.611			29.94
6H-1	23.50	40.64	20.40		2.613			
6H-1	26.50	40.67	33.50	59.61	2.615			40.39
6H-1	29.50	40.69	56.10	50.60	2.616			49.40
6H-1	32.50	40.73	84.10		2.618			
6H-1	35.50	40.76	120.40	67.25	2.620			32.75
6H-1	38.50	40.78	158.80		2.621			
6H-1	41.50	40.82	171.80	64.87	2.623			35.13
6H-1	44.50	40.85	111.20	84.79	2.625			15.21
6H-1	47.50	40.88	41.00		2.626			
6H-1	50.50	40.91	25.40	83.86	2.628			16.14
6H-1	53.50	40.94	14.50	77.57	2.629			22.43
6H-1	56.50	40.97	11.20		2.631			
6H-1	59.50	41.00	8.30	85.70	2.633			14.30
6H-1	62.50	41.03	6.20		2.634			
6H-1	65.50	41.06	5.60	84.65	2.636			15.35
6H-1	68.50	41.09	5.40		2.638			
6H-1	71.50	41.12	5.70	87.17	2.639			12.83
6H-1	74.50	41.15	5.80	84.67	2.641			15.33
6H-1	77.60	41.18	5.60		2.642			
6H-1	80.60	41.21	5.60	83.82	2.644			16.18
6H-1	83.50	41.24	5.50		2.646			
6H-1	86.50	41.27	5.60	83.42	2.647			16.58
6H-1	89.60	41.30	6.00	78.00	2.649			22.00
6H-1	92.50	41.33	6.30		2.650			
6H-1	95.50	41.36	6.70	79.67	2.652			20.33

Table 1 (continued).

Core, section	Top of interval (cm)	Depth (mbsf)	Magnetic susceptibility (W/[m · K])	Carbonate (wt%)	Age (Ma)	$\delta^{13}C$	$\delta^{18}O$	Noncarbonate material (%)
132-810C-								
6H-1	98.60	41.39	7.40		2.654			
6H-1	101.50	41.42	8.30	75.97	2.655			24.03
6H-1	104.50	41.44	9.20	71.93	2.657			28.07
6H-1	107.50	41.48	10.10		2.659			
6H-1	110.60	41.51	10.40	74.14	2.660			25.86
6H-1	113.60	41.54	11.40		2.662			
6H-1	116.50	41.57	14.20	72.07	2.664			27.93
6H-1	119.50	41.60	15.60	73.10	2.665			26.90
6H-1	122.60	41.63	9.80		2.667			
6H-1	125.50	41.66	6.30	78.20	2.668			21.80
6H-1	128.50	41.69	4.50		2.670			
6H-1	131.50	41.72	3.90	78.19	2.672			21.81
6H-1	134.50	41.75	3.60	86.13	2.673			13.87
6H-1	137.50	41.78	3.40		2.675			
6H-1	140.50	41.81	3.80	84.66	2.677			15.34
6H-1	143.50	41.84	4.20		2.678			
6H-1	146.50	41.87	4.80	84.91	2.680			15.09
6H-1	149.60	41.90	3.40	84.07	2.681			15.93

Note: Age determinations are derived from the magnetic stratigraphy of Sager et al. (this volume).

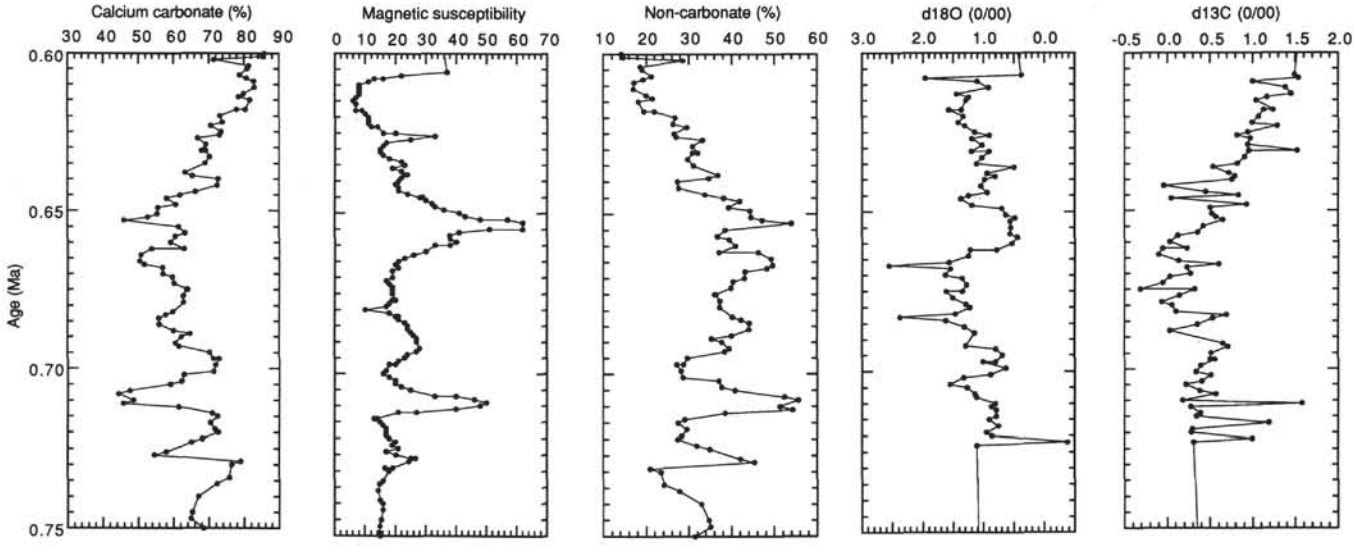

Figure 4. Profiles of calcium carbonate percentage, magnetic susceptibility (csg units), noncarbonate percentage, $\delta^{18}O$ (‰), and $\delta^{13}C$ (‰) for the estimated time interval from 0.60 to 0.75 Ma, in Hole 810C. Age estimates are from Premoli Silva et al. (this volume) and Sager et al. (this volume).

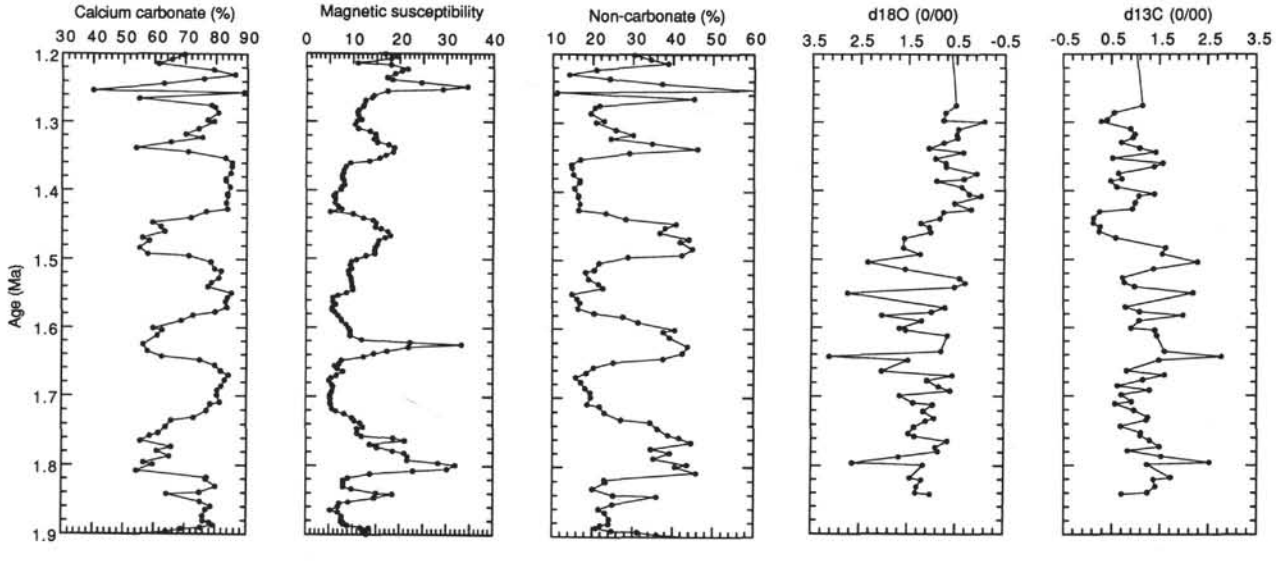

Figure 5. Profiles of calcium carbonate percentage, magnetic susceptibility (csg units), noncarbonate percentage, $\delta^{18}O$ (‰), and $\delta^{13}C$ (‰) for the estimated time interval from 1.2 to 1.9 Ma, in Hole 810C. Age estimates are from Premoli Silva et al. (this volume) and Sager et al. (this volume).