



GEOLOGICAL SURVEY OF CANADA

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A COMPILATION OF DEEP-SEA OXYGEN ISOTOPE RECORDS

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ABSTRACT

Oxygen isotope records have been employed to estimate changes in global ice volume, ocean temperature, ocean circulation, and other related phenomena during the Quaternary. Some long-term records have also been used to estimate Milankovitch orbital parameters. Previously these estimates have been based on a limited number of records, often only one record was examined, but here 256 records from 189 deep-sea cores have been compiled for future referral.

RÉSUMÉ

On a utilisé les données de ratio d'isotope d'oxygène pour évaluer durant le quaternaire les changements de volume de glace du globe, la température de l'océan, la circulation océanique et d'autres phénomènes connexes. De longues sections de données ont aussi été utilisées pour estimer les paramètres orbitaux de Milankovitch. Auparavant, ces évaluations étaient basées sur un nombre limité de données, et souvent une donnée seulement était examinée. Dans le présent rapport, 256 données issues de 189 carottes des mers profondes ont été recueillies pour usage à venir.

BACKGROUND

Variations in the oxygen isotopic abundance ratios ($^{18}\text{O}/^{16}\text{O}$) as measured in fossil foraminifera were first employed as indicators of paleotemperatures in the oceans by Epstein et al. (1951) and Emiliani (1955), based on a proposal by Urey (1947). Emiliani modified Epstein et al.'s equation from which paleotemperatures were derived to

$$T = 16.5 - 4.3 (\delta^{18}\text{O} - A) + 0.14 (\delta^{18}\text{O} - A)^2,$$

where $\delta^{18}\text{O}$ is the difference between the $^{18}\text{O}/^{16}\text{O}$ content of the sample and that of a standard carbonate and is by convention defined as

$$\delta^{18}\text{O} = 1000 \times \left[\frac{(\text{sample } ^{18}\text{O}/^{16}\text{O}) - (\text{standard } ^{18}\text{O}/^{16}\text{O})}{(\text{standard } ^{18}\text{O}/^{16}\text{O})} \right].$$

The term A represents the difference between the isotopic composition of ancient sea water in which the fossil lived and the average isotopic composition of modern sea water, and was introduced by Emiliani to correct for the changing isotopic composition during each glacial-interglacial cycle. Emiliani was able to estimate the change in surface water temperature of the Caribbean Sea to be about 6 °C, but Olausson (1965) doubted that tropical temperature changes would have been that large. In an attempt to resolve this controversy Shackleton (1967) analyzed the isotopic composition of benthonic foraminifera, as opposed to planktonic species, so as to minimize the influence of the temperature change. He inferred that most of the $\delta^{18}\text{O}$ signal in the foraminifera was due to changes in the isotopic composition of sea water and that temperature changes were a secondary effect. Further, he noted that the record of ocean isotopic composition change was of more value than a temperature record in view of its direct relationship to global ice volume and hence to sea level. For example as the ice sheets grew, ^{16}O was preferentially evaporated from the oceans (since it is lighter than ^{18}O) and sequestered in the ice sheets. The $^{18}\text{O}/^{16}\text{O}$ ratio increased in the oceans and oxygen subsequently absorbed into foraminifera had this larger isotopic ratio. The larger ratios correspond to glacial maxima and the smaller ratios to interglacial periods. Shackleton and Opdyke (1973) employed the $\delta^{18}\text{O}$ record from a western Pacific Ocean core to estimate changes in Pleistocene sea level. By combining many records, Imbrie et al. (1984) inferred a record of climate change and then computed Milankovitch orbital parameters from the subsequent time series. Pisias et al. (1990) computed the orbital parameters from the oxygen isotope ratios of foraminifera collected from a long, continuous record from the eastern equatorial Pacific Ocean.

Apart from the studies on long-term glacial fluctuations and hence sea level changes during the Pleistocene (e.g., Broecker and van Donk 1970; Shackleton and Opdyke 1973; Chappell and Shackleton 1986), oxygen isotope records have been used to infer details of the last deglaciation (i.e., since 18 ka BP). The routing of meltwater from the Laurentide Ice Sheet was inferred from records from the Gulf of Mexico (Kennett and Shackleton 1975; Emiliani et al. 1978; Broecker et al. 1989). Jones and Keigwin (1988) used an oxygen isotope record from off the west coast of Spitsbergen to infer the presence of a large Barents Sea Ice Sheet and approximate the time of its deglaciation. Some other studies include the change in deep-water formation in the Atlantic and Pacific oceans (Berger and Vincent 1986; Keigwin 1987) and details of paleo-surface circulation in the Indian Ocean (Prell et al. 1980; Sarkar et al. 1990).

Oxygen isotope analysis is complicated by disequilibrium effects and other uncertainties. Shackleton and Opdyke (1973) and Vergnaud-Grazzini (1976) suggested that some planktonic species are naturally depleted in $\delta^{18}\text{O}$, while Emiliani (1954) and Shackleton and Vincent (1978) stress that the depth habitat of the organism (i.e., above or below the thermocline) and seasonal growing variations would effect the isotopic concentration. The controversy over the low $\delta^{18}\text{O}$ meltwater spike (Berger et al. 1977; Jones and Ruddiman 1982) adds further uncertainty to an already variable isotopic record. Other uncertainties include sedimentary accumulation changes and bioturbation (Shackleton and Opdyke 1973), selective dissolution (Berger and Killingley 1977), and changes in ocean mixing and hence deep-ocean temperature (Bowen 1978). Ocean mixing and deep-ocean temperature depend on the polar downwelling zones of cold water and these zones change substantially from glacial maximum to interglacial periods. Mix and Ruddiman (1984) proposed that the average isotopic composition of the Pleistocene ice sheets varied with their size, latitudinal position and stability, and Shackleton (1987) suggested that oxygen isotope records were not a linear function of ice volume history and hence sea level history. A comprehensive review of oxygen isotope analysis can be found in Mix (1987).

COMPILATION OF OXYGEN ISOTOPE RECORDS

The objective in compiling the oxygen isotope records listed in Appendix A is to aid future researchers in studying the global $\delta^{18}\text{O}$ signal, as opposed to the local or regional signal inferred from a limited number of records. In all, 256 $\delta^{18}\text{O}$ records were compiled from 189 deep-sea cores, with the global distribution of these cores shown in Figure 1. Note the scarcity of records from the central Pacific, Arctic and Southern oceans. The records were extracted from the existing literature, either

from published tables or from digitized graphs (with the latter denoted in Appendix A by asterisks after the references). The abbreviated references indicate author(s), publication date, journal, volume and first page number. Latitude and longitude (to the nearest tenth of a degree) and species analyzed are also listed. All $\delta^{18}\text{O}$ values are quoted in parts per thousand. Depths of the foraminifera samples in the cores have been converted to ages (ka BP) by employing the schemes proposed by the original investigators (ages equal to 9999.9 ka BP denote the end of the record). If no scheme was proposed, I defined the isotope stage 2 minimum (Emiliani 1955) to occur 18 ka BP and the interface between stages 5 and 6 to occur 127 ka BP, and then I converted the depths to ages using this scheme. Timescales for cores can be derived by dating samples at selected intervals using radiocarbon techniques. For cores too old for radiocarbon techniques to work (>30 ka BP), timescales can be estimated using the assumption of constant sedimentation rates and the position of distinctive isotopic stage interfaces or the position of magnetic reversals.

I hope this compilation will prove useful to researchers in many fields of study. It has already been employed in a study of the individual masses of the major ice sheets during the last deglacial episode (Tushingham 1991).

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REFERENCES

- Berger, W.H., Johnson, R.F. and Killingley, J.S., 1977. 'Unmixing' of the deep-sea record and the deglacial meltwater spike. *Nature*, Vol. 269, pp. 661-663.
- Berger, W.H. and Killingley, J.S., 1977. Glacial holocene transitions in deep-sea carbonates: selective and dissolution and the stable isotope signal. *Science*, Vol. 197, pp. 563-566.
- Berger, W.H. and Vincent, E., 1986. Sporadic shutdown of North Atlantic deep water production during the Glacial-Holocene transition? *Nature*, Vol. 324, pp. 53-55.
- Bowen, D.Q., 1978. Quaternary Geology: A Stratigraphic Framework for Multidisciplinary Work. Pergamon Press, Toronto, 221 p.
- Broecker, W.S., Kennett, J.P., Flower, B.P., Teller, J.T., Trumbore, S., Bonani, G. and Wolfli, W., 1989. Routing of meltwater from the Laurentide Ice Sheet during the Younger Dryas cold episode. *Nature*, Vol. 341, pp. 318-321.
- Broecker, W.S. and van Donk, J., 1970. Insolation changes, ice volumes, and the ^{18}O record in deep sea cores. *Review of Geophysics and Space Physics*, Vol. 8, pp. 169-198.
- Chappell, J. and Shackleton, N.J., 1986. Oxygen isotopes and sea level. *Nature*, Vol. 324, pp. 137-140.
- Emiliani, C., 1954. Depth habitats of some species of pelagic foraminifera as indicated by oxygen isotope ratios. *American Journal of Science*, Vol. 252, pp. 149-158.
- _____, 1955. Pleistocene temperatures. *Journal of Geology*, Vol. 63, pp. 538-578.
- Emiliani, C., Rooth, C. and Stipp, J.J., 1978. The Late Wisconsin flood into the Gulf of Mexico. *Earth and Planetary Science Letters*, Vol. 41, pp. 159-162.
- Epstein, S., Buchsbaum, R., Lowenstam, J.A. and Urey, H.C., 1951. Carbonate-water isotopic temperature scale. *Geological Society of America Bulletin*, Vol. 62, pp. 417-426.
- Imbrie, J., Hays, J.D., Martinson, D.G., McIntyre, A., Mix, A.C., Morley, J.J., Pisias, N.G., Prell, W.L. and Shackleton, N.J., 1984. The orbital theory of Pleistocene climate: support from a revised chronology of the marine $\delta^{18}\text{O}$ record. In *Milankovitch and Climate, Part I. Edited by A. Berger, J. Imbrie, J.D. Hays, G. Kukla and B. Saltzman*. Plenum, New York, pp. 269-306.
- Jones, G.A. and Keigwin, L.D., 1988. Evidence from Fram Strait (78°N) for early deglaciation. *Nature*, Vol. 336, pp. 56-59.
- Jones, G.A. and Ruddiman, W.F., 1982. Assessing the global meltwater spike. *Quaternary Research*, Vol. 17, pp. 148-172.

- Keigwin, L.D., 1987. North Pacific deep water formation during the latest glaciation. *Nature*, Vol. 330, pp. 362-364.
- Kennett, J.P. and Shackleton, N.J., 1975. Laurentide Ice Sheet meltwater record in Gulf of Mexico deep-sea cores. *Science*, Vol. 188, pp. 147-150.
- Mix, A.C., 1987. The oxygen isotope record of glaciation. In *North America and Adjacent Oceans during the Last Deglaciation*. Edited by W.F. Ruddiman and H.E. Wright, Jr. Geological Society of America, Boulder, Vol. K3, pp. 111-135.
- Mix, A.C. and Ruddiman, W.F., 1984. Oxygen isotope analysis and Pleistocene ice volumes. *Quaternary Research*, Vol. 21, pp. 1-20.
- Olausson, E., 1965. Evidence of climatic changes in North Atlantic deep-sea cores, with remarks on isotopic paleotemperature analysis. *Progress in Oceanography*, Vol. 3, pp. 221-252.
- Pisias, N.G., Mix, A.C. and Zahn, R., 1990. Nonlinear response in the global climate system: evidence from benthic oxygen isotope record in core RC13-110. *Paleoceanography*, Vol. 5, pp. 147-160.
- Prell, W.L., Hutson, W.H., Williams, D.F., Bé, A.W.H., Geitzenauer, K. and Molfino, B., 1980. Surface circulation of the Indian Ocean during the last glacial maximum, approximately 18,000 yr BP. *Quaternary Research*, Vol. 14, pp. 309-336.
- Sarkar, A., Ramesh, R., Bhattacharya, S.K. and Rajagopalan, G., 1990. Oxygen isotope evidence for a stronger winter monsoon current during the last glaciation. *Nature*, Vol. 343, pp. 549-551.
- Shackleton, N.J., 1967. Oxygen isotope analysis and Pleistocene temperatures re-assessed. *Nature*, Vol. 215, pp. 15-17.
- _____, 1987. Oxygen isotopes, ice volume and sea level. *Quaternary Science Reviews*, Vol. 6, pp. 183-190.
- Shackleton, N.J. and Opdyke, N.D., 1973. Oxygen isotope stratigraphy of equatorial Pacific core V28-238: oxygen isotope temperatures and ice volumes on a 10^5 year and 10^6 year scale. *Quaternary Research*, Vol. 3, pp. 39-55.
- Shackleton, N.J. and Vincent, E., 1978. Oxygen and carbon isotope studies in recent foraminifera from the southwest Indian Ocean. *Marine Micropalaeontology*, Vol. 3, pp. 1-13.
- Tushingham, A.M., 1991. Estimating individual ice sheet masses from sea level change. *Géographie physique et Quaternaire*, submitted.
- Urey, H.C., 1947. The thermodynamic properties of isotopic substances. *Journal of the Chemical Society*, Vol. 1947, pp. 562-581.
- Vergnaud-Grazzini, C., 1976. Non-equilibrium isotopic compositions of shells of planktonic foraminifera in the Mediterranean Sea. *Paleogeography, Paleoclimatology and Paleoecology*, Vol. 320, pp. 263-276.

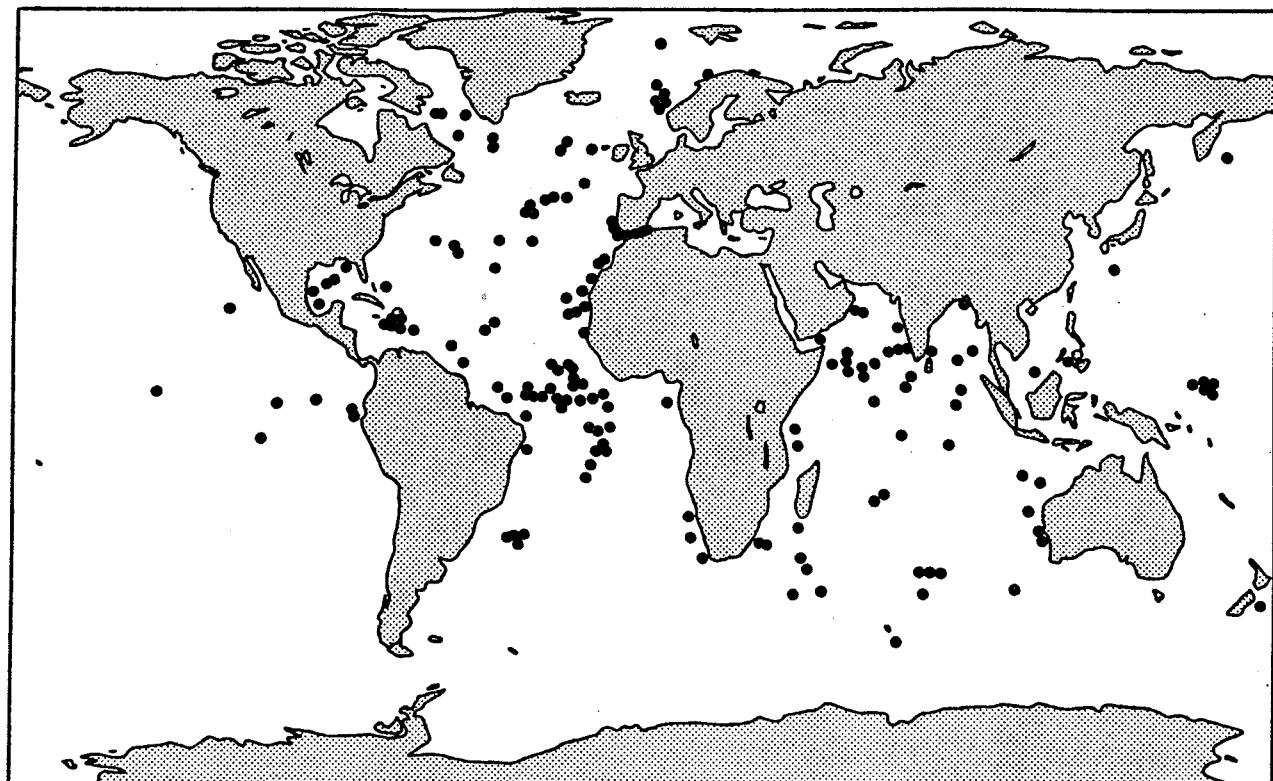


Figure 1. The location of deep-sea cores from which oxygen isotope records were extracted.

APPENDIX A

Tushingham, A.M., 1991. A compilation of deep-sea oxygen isotope records.

OXYGEN ISOTOPE RECORDS FROM DEEP-SEA CORES

31 SPECIES SAMPLED FOR δ₁₈O DATA

CD	Cibicidoides
CL	Cibicidoides lobatulus
CS	Cassidulina subglobosa
CT	Cassidulina teretis
CW	Cibicidoides wuellestorfi
FF	Favocassidulina favus
GB	Globigerinoides bulloides
GD	Globigerina dubia
GI	Globigerina inflata
GM	Globorotalia mendardii
GO	Globorotalia tumida
GP	Globigerina pachyderma
GR	Globigerinoides ruber
GS	Globigerinoides sacculifera
GT	Globigerinoides truncatulinoides
MB	Mixed benthic species
ML	Melonis pomphiloides (Nonion)
MP	Mixed planktonic species
MX	Mixed species
ND	Neogloboquadrina dutertrei
NP	Neogloboquadrina pachyderma
OU	Oridorsalis umbonatus
OV	Oridorsalis universa
PA	Planulina ariminensis
PM	Pyrgo murrhenia
PO	Pulleniatina obliquiloculata
PW	Planulina wuellestorfi
UG	Uvigerina peregrina
UM	Uvigerina hollicki
UP	Uvigerina proboscidea
??	Unknown species

CORE 25-09P(CT)

Jansen and Erlenkeuser 1985 (Paleogeog, Paleoclim, Paleoeco, 49, 189)

63.1N	4.8E	CT	1.3	3.36	4.5	3.56	7.7	3.47	9.1	3.77	10.0	3.84	10.2	4.12
10.3	3.82	10.4	3.98	10.5	3.90	10.7	3.94	10.8	4.05	10.9	4.07			
11.1	3.79	11.2	3.54	11.3	3.83	11.4	3.57	11.7	3.94	12.0	3.93			
12.2	4.10	12.3	4.15	12.5	4.14	12.6	4.56	12.7	4.52	12.9	4.94			
13.0	4.33	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	

CORE 25-09P(Left)

Jansen and Erlenkeuser 1985 (Paleogeog, Paleoclim, Paleoeco, 49, 189)

63.1N	4.8E	NP	1.3	3.41	4.5	3.43	7.7	3.17	9.1	3.19	10.0	3.75	10.2	3.91
10.3	3.75	10.4	4.00	10.5	3.86	10.7	3.78	10.8	3.79	10.9	3.73			
11.1	3.58	11.2	3.55	11.3	3.65	11.4	3.72	11.7	3.76	12.0	3.86			
12.2	3.92	12.3	3.93	12.5	3.96	12.6	4.15	12.7	4.48	12.9	4.51			
13.0	4.31	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	

CORE 25-09P(Right)

Jansen and Erlenkeuser 1985 (Paleogeog, Paleoclim, Paleoeco, 49, 189)

63.1N	4.8E	NP

2.7	- .68	5.1	- .44	9.0	- .08	12.9	- .13	16.8	- .15	20.7	- .04	
24.6	- .7	28.8	0.0	- .37	30.4	- .20	36.3	- .46	41.0	- .40	44.0	- .58
48.1	- .7	57.7	57.0	- .66	55.9	- .73	59.8	- .87	63.7	- .76	68.0	- .76
71.5	- .7	75.8	- .47	79.3	- .58	85.8	- .11	87.1	- .41	91.0	- .11	
95.0	- 1.0	98.0	- 1.39	102.0	- 1.67	106.7	- 1.29	110.6	- 1.18	114.5	- 1.17	
118.4	- 1.0	122.3	- 1.98	126.2	- 1.67	130.1	- .71	134.0	- .57	137.9	- 1.82	
141.6	- 1.0	145.8	- 1.21	149.7	- 1.84	153.6	- .84	157.5	- .81	161.4	- 1.87	
169.8	- 1.45	173.1	- 1.48	177.0	- 1.21	180.9	- 1.02	184.8	- .88	189.5	- 1.48	
194.6	- 1.75	200.5	- 1.19	204.4	- 1.29	208.3	- 1.56	212.2	- 1.41	216.5	- 1.27	
220.0	- 1.43	223.9	- 1.50	227.8	- 1.00	231.7	- .80	235.6	- 1.05	239.5	- 1.00	
243.8	- .95	247.4	- .65	251.3	- .79	255.2	- .86	259.1	- .94	263.0	- 1.14	
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	

CORE 2344

Emiliani 1955 (J Geol, 63, 538)

5.8N	21.7W	GS									
0.0	- 1.55	5.8	- 1.68	1.6	- 1.65	2.5	- 1.67	3.1	- 1.76	4.3	- 1.33
5.1	- 1.48	5.9	- 1.00	6.6	- .80	7.4	- .74	8.2	- .08	9.0	- .04
9.0	- .05	10.6	- .03	11.3	- .18	12.1	- .04	12.9	- .10	13.7	- .12
14.5	- .03	15.2	- .11	16.0	- .01	16.8	- .17	9999.9	0.00	9999.9	0.00

CORE 235A

Emiliani 1955 (J Geol, 63, 538)

3.8N	28.5W	GS									
0.0	- 1.83	1.4	- 1.79	2.8	- 1.90	4.2	- 1.82	5.5	- 1.79	6.9	- 1.60
8.3	- 1.60	9.7	- 1.54	11.1	- 1.72	12.5	- 1.17	13.8	- .86	15.2	- 1.22
16.6	- .11	18.0	- .10	19.4	- .06	20.8	- .03	22.2	- .24	23.5	- .33
24.9	- .03	26.3	- .05	27.7	- .13	29.1	- .20	30.5	- .69	31.8	- .49
33.2	- .37	34.6	- .52	36.0	- .62	37.4	- .63	38.8	- .72	40.2	- 1.83
41.5	- .86	42.9	- .78	47.1	- .77	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE 246

Emiliani 1955 (J Geol, 63, 538)

.8N	31.5W	GS									
1.9	- 1.61	6.2	- 1.64	8.6	- 1.28	11.3	- 1.00	13.9	- .57	16.9	- 1.19
19.6	- .02	22.2	- .04	24.9	- .09	27.9	- .09	30.3	- .08	33.0	- 1.25
35.6	- .35	38.6	- .36	41.0	- .38	43.7	- .36	46.6	- .36	48.8	- 1.26
51.4	- 1.44	54.4	- .59	57.1	- .58	59.7	- .58	62.6	- .64	68.1	- 1.69
70.5	- .71	72.9	- .50	75.6	- .61	78.2	- .69	81.2	- .86	83.9	- 1.19
86.5	- .92	89.2	- 1.30	92.2	- 1.41	94.3	- 1.10	97.3	- 1.10	99.7	- 1.93
102.9	- 1.31	105.6	- 1.50	107.7	- 1.51	110.7	- 1.27	112.6	- 1.30	115.7	- 1.60
118.7	- 1.45	121.1	- 1.79	124.1	- 1.72	126.7	- 1.81	129.4	- .61	132.1	- 1.60
134.8	- .31	137.7	- .23	140.7	- .60	142.8	- .31	145.2	- .57	148.2	- 1.51
150.8	- .26	153.5	- .23	155.9	- .58	158.9	- .66	161.6	- .75	164.0	- 1.26
166.9	- .91	169.3	- .95	172.3	- .59	174.7	- .65	177.9	- .93	180.3	- 1.13
183.0	- 1.18	185.7	- 1.19	188.4	- 1.63	191.0	- 1.84	193.4	- 1.84	196.1	- 1.31
198.8	- 1.52	201.8	- 1.50	204.7	- 1.02	206.8	- .83	209.8	- 1.50	212.5	- .74
215.1	- .54	217.8	- .65	220.5	- .53	223.2	- 1.08	225.6	- .99	228.5	- 1.37
231.0	- .99	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE 280

Emiliani 1958 (J Geol, 66, 264)

35.0N	44.3W	GI									
1.6	1.04	3.9	1.31	6.1	1.60	8.4	1.71	10.7	1.79	18.9	1.74
15.0	12.01	17.5	1.97	19.8	21.10	22.0	1.93	23.3	1.89	26.6	1.91
28.0	8.11	31.1	2.30	33.4	2.09	35.7	1.99	37.9	2.18	40.0	1.78
42.5	1.95	44.8	1.82	47.0	1.85	49.3	1.35	51.6	1.85	53.8	1.41
55.7	1.62	58.4	1.28	60.7	1.41	62.9	1.47	65.6	1.18	67.5	1.27
69.7	1.46	71.6	1.34	74.3	1.51	76.8	1.91	79.1	1.15	81.3	1.28
83.6	2.24	85.9	1.80	87.9	1.14	90.6	1.02	92.7	1.40	95.0	1.99

97.0	.90	99.5	1.02	101.8	1.64	103.6	1.67	105.0	1.10	107.2	.79
109.5	.83	111.8	1.06	114.1	1.18	116.3	1.86	118.8	1.63	120.9	1.82
123.1	.54	125.4	.81	127.7	1.27	130.0	1.90	132.2	1.82	134.5	1.60
136.0	1.74	139.0	2.16	141.3	2.24	143.6	2.36	145.9	2.35	148.1	2.18
150.4	2.03	152.7	2.09	154.9	1.74	157.2	1.75	159.5	1.64	161.8	1.95
164.0	1.49	166.3	1.53	168.6	1.62	170.8	1.68	173.1	1.57	175.4	1.59
177.7	1.30	179.9	1.26	182.2	1.95	184.5	1.14	186.8	1.05	189.0	.94
191.3	.72	193.6	.84	196.9	1.43	199.1	1.87	200.4	1.87	202.7	1.18
204.9	.98	207.2	1.21	209.5	1.42	211.7	1.82	214.0	1.42	216.3	1.63
218.6	1.68	220.8	1.83	223.1	1.79	225.4	1.54	227.6	1.35	229.9	1.11
232.8	.82	234.5	1.89	236.7	1.16	239.0	1.60	241.3	1.71	243.6	1.81
245.8	1.14	248.1	1.41	250.4	1.25	252.6	1.80	254.9	1.64	259.2	1.39
261.7	1.54	264.0	1.88	266.3	2.02	268.6	1.67	270.8	1.17	273.1	1.31
275.6	1.18	277.6	.86	279.9	1.46	282.2	1.18	284.4	1.09	286.7	1.18
289.0	1.15	291.0	1.38	293.5	1.53	295.8	1.34	298.1	1.56	300.6	1.68
304.9	1.81	307.6	1.70	309.4	1.30	311.7	1.88	314.0	1.00	316.5	1.88
320.8	1.90	322.8	1.50	325.3	1.44	327.6	1.66	329.9	1.82	332.8	1.48
334.4	1.38	336.7	1.08	339.4	1.19	341.8	1.11	343.5	1.13	345.9	1.85
348.1	1.90	350.3	1.68	352.6	1.44	355.1	.99	357.1	.90	361.7	1.76
364.0	1.13	366.2	1.21	368.5	1.05	370.8	.81	373.0	1.55	375.3	.70
377.6	.64	379.9	.92	382.1	1.62	384.7	1.56	389.0	1.05	391.2	1.98
393.5	1.90	395.8	2.21	400.3	1.98	402.6	1.53	405.1	1.60	407.1	1.80
409.4	1.34	411.7	1.75	413.9	2.29	416.2	1.95	418.5	1.85	420.8	1.46
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE 280A

Emiliani 1955 (J Geol, 63, 538)

35.0N	44.3W	GI									
0.0	.64	.5	.67	.9	.63	1.4	.97	1.6	.68	2.0	1.00
2.7	.72	3.6	1.25	4.1	1.43	4.6	1.45	5.0	1.61	6.5	1.63
5.9	1.76	6.4	1.98	6.8	1.91	7.3	1.78	7.7	1.54	8.8	1.63
8.6	1.65	9.1	1.58	9.5	1.49	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE 6910-2

Williams et al 1981 (Earth Planet Sci Lett, 56, 157) (*)

20.0N	120.0W	MB									
0.0	.10	.6	.10	1.3	.15	2.8	.05	6.1	.40	7.5	.80
0.1	.75	10.6	.95	12.5	.80	13.1	1.50	13.8	1.45	14.4	1.70
15.0	1.55	15.6	1.80	16.3	1.70	16.9	1.70	17.5	1.15	18.1	1.75
18.8	1.80	19.4	1.70	20.0	1.80	21.3	1.65	21.9	1.80	22.5	1.65
23.1	1.65	23.8	1.50	24.4	1.60	25.0	1.50	25.6	1.65	26.3	1.60
26.9	1.65	27.5	1.38	28.1	1.65	28.8	1.40	29.4	1.40	30.0	1.35
30.8	1.40	31.3	1.25	31.9	1.50	32.8	1.25	34.4	1.40	35.0	1.30
35.6	1.40	36.9	1.15	37.5	1.30	38.1	1.25	38.8	1.35	39.4	1.50
40.0	1.35	40.6	1.55	41.3	1.40	41.9	1.50	42.5	1.40	43.1	1.45
43.8	1.35	44.4	1.40	45.0	1.20	45.6	1.15	46.3	1.45	46.9	1.35
47.5	1.40	48.1	1.30	48.8	1.25	49.4	1.45	50.0	1.35	50.6	1.40
51.3	1.25	51.9	1.30	52.6	1.10	53.1	1.15	53.8	1.20	54.4	1.35
55.0	1.10	56.6	1.05	56.3	.95	56.9	1.05	57.5	.75	58.8	1.00
59.4	.65	60.0	.65	60.6	.70	61.3	.95	61.9	.80	62.8	.80
63.1	1.45	63.8	1.50	64.4	1.90	65.6	1.75	66.3	1.55	66.9	1.65
67.5	1.60	68.1	1.50	68.8	1.60	71.3	1.15	71.9	1.15	72.5	1.50
74.4	.90	75.0	.40	76.3	.40	76.9	.80	77.5	.80	80.0	1.40
80.6	1.35	81.3	1.45	81.9	1.20	83.1	1.85	83.8	1.40	85.0	1.50
88.6	1.35	86.3	1.35	86.9	1.40	88.1	1.25	88.8	1.40	89.4	1.30
90.0	1.40	91.9	1.10	92.5	1.10	95.0	.80	96.3	1.15	98.8	1.30
100.0	.85	101.3	.90	101.9	1.05	102.5	.90	103.8	1.60	105.0	1.50
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE A172-6(CR)

Emiliani 1955 (J Geol, 63, 538)

15.0N 68.9W GR

7.3	-1.81	10.9	-1.51	14.5	-1.01	18.1	-1.47	21.8	-1.29	25.4	-1.41
29.0	-.56	32.7	-.61	36.3	-.68	39.9	-.77	43.5	-.81	47.2	-.68
50.8	-.63	54.4	-.88	58.1	-.91	61.7	-.95	65.3	-.85	68.9	-.02
78.6	.02	76.2	.20	79.8	-.53	83.5	-.76	87.1	-1.04	90.7	-.89
94.3	-1.15	98.0	-1.53	101.6	-1.90	105.2	-1.66	112.5	-1.87	116.1	-1.17
119.7	-1.09	123.4	-1.47	127.0	-.76	130.6	-.89	134.3	-.50	137.9	-.57
141.5	-.56	145.1	-.62	148.8	-1.23	152.4	-1.12	156.0	-1.48	159.7	-1.14
163.3	-1.50	166.9	-1.34	170.5	-.58	174.2	-.41	177.8	-.50	181.4	-.80
185.1	-1.03	188.7	-1.17	192.3	-1.44	195.9	-1.31	214.1	-1.19	217.7	-.13
201.3	-.16	225.0	-.14	228.6	-.36	232.2	-.60	235.9	-.61	239.5	-.78
243.1	-.74	257.6	-1.22	261.3	-1.21	264.9	-1.26	268.5	-1.20	272.1	-1.10
275.8	-.80	279.4	-.93	283.0	-.92	286.7	-1.40	301.2	-2.03	308.4	-1.32
312.1	-1.94	319.3	.02	322.9	-.46	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE A172-6(GS)

Emiliani 1955 (J Geol, 63, 538)

15.0N 68.9W GS

0.0	-1.87	3.6	-1.86	7.5	-1.61	10.9	-1.24	14.5	-.75	18.1	-.27
21.8	-.09	25.4	-.19	29.0	-.36	32.7	-.16	36.3	-.07	39.9	-.98
43.5	-.01	47.2	-.40	50.8	-.28	54.4	-.75	58.1	-.59	61.7	-.60
65.3	-.20	68.9	-.16	72.6	-.21	76.2	-.24	79.8	-.81	83.5	-.46
87.1	-.71	90.7	-.71	94.3	-.73	98.0	-1.05	101.6	-1.34	105.2	-1.34
118.5	-1.45	116.1	-1.22	119.7	-.99	123.4	-1.10	130.6	-.08	134.3	-.27
137.9	-.31	141.5	-.38	145.1	-.41	148.8	-.86	152.4	-1.12	156.0	-1.48
163.3	-1.21	166.9	-1.05	170.5	-.81	174.2	-.38	177.8	-.26	181.4	-.52
185.1	-.93	188.7	-.99	192.3	-.97	195.9	-1.84	214.1	-1.00	217.7	-.03
201.3	-.02	225.0	-.09	232.2	-.54	235.9	-.66	239.5	-.69	243.1	-.78
257.6	-.95	261.3	-1.02	264.9	-1.08	268.5	-1.08	272.1	-.22	275.8	-.62
279.4	-.75	283.0	-.74	286.7	-1.04	293.9	-1.43	301.2	-1.79	304.8	-1.38
308.4	-1.60	312.1	-1.65	315.7	-.30	319.3	-.12	322.9	-.23	326.6	-.85
330.2	-1.09	333.8	-.73	339.3	-.26	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE A179-4(GD)

Emiliani 1955 (J Geol, 63, 538)

16.6N 74.8W GD

0.0	-1.01	5.0	-1.04	10.0	.19	15.0	.86	20.0	.67	25.0	.61
30.0	-.62	35.0	-.57	40.0	.31	45.0	.31	50.0	.15	55.0	.39
60.0	-.22	65.0	.20	70.0	.87	75.0	.48	85.0	-.14	90.0	-.83
95.0	-.36	100.0	-.39	105.0	-.36	110.0	-.38	115.0	-.79	120.0	-.81
125.0	-.55	130.0	-.41	135.0	-.56	140.0	-.17	145.0	-.08	150.0	-.53
155.0	.18	160.0	-.16	165.0	-.68	170.0	-.72	175.0	-.79	195.0	-.57
210.0	-.07	215.0	-.61	220.0	-.39	225.0	-.60	230.0	-.63	235.0	-.03
240.0	-.40	245.0	-.39	250.0	-.16	255.0	-.42	260.0	.69	265.0	.58
270.0	.34	275.0	.27	280.0	-.03	285.0	-.01	290.0	-.12	295.0	-.19
300.0	.20	305.0	.01	310.0	.34	315.0	-.04	320.0	-.27	325.0	-.20
330.0	-.08	335.0	-.28	340.0	.05	345.0	-.05	9999.9	0.00	9999.9	0.00

CORE A179-4(GM)

Emiliani 1955 (J Geol, 63, 538)

16.6N 74.8W GM

0.0	-.62	5.0	-.85	90.0	-.39	95.0	-.39	100.0	-.43	105.0	-.15
110.0	-.39	115.0	-.64	120.0	-.63	125.0	-.50	130.0	-.53	140.0	-.11
145.0	-.07	150.0	-.41	155.0	-.07	160.0	-.04	165.0	-.00	170.0	-.10
175.0	-.42	180.0	-.46	185.0	-.12	190.0	-.09	195.0	-.34	200.0	-.08
205.0	-.42	210.0	-.38	215.0	-.51	220.0	-.35	225.0	-.53	230.0	-.63
235.0	-.26	240.0	-.57	245.0	-.48	250.0	-.16	255.0	-.21	260.0	-.09
265.0	-.34	275.0	-.09	280.0	-.39	285.0	-.42	9999.9	0.00	9999.9	0.00

CORE A179-4(GR)

Emiliani 1955 (J Geol, 63, 538)

16.6N	74.8W	GR	0.0	-2.04	5.0	-1.92	10.0	-.77	15.0	-.83	20.0	-.86	25.0	-.83
30.0	-.42	35.0	-.51	40.0	-.69	45.0	-.61	50.0	-.69	55.0	-.59			
60.0	-.78	65.0	-.56	70.0	-.51	75.0	-.37	80.0	-.47	85.0	-.105			
90.0	-1.32	95.0	-1.41	100.0	-1.35	105.0	-1.55	110.0	-1.59	115.0	-1.77			
120.0	-2.07	125.0	-1.70	130.0	-.27	135.0	-.02	140.0	-.12	145.0	-.44			
150.0	-.75	155.0	-.53	160.0	-.79	165.0	-1.60	170.0	-1.80	175.0	-1.53			
180.0	-1.75	185.0	-1.45	190.0	-.98	195.0	-1.00	200.0	-.44	205.0	-.55			
210.0	-.83	215.0	-1.42	220.0	-1.27	225.0	-1.41	230.0	-1.57	235.0	-1.39			
240.0	-1.47	245.0	-1.69	250.0	-1.08	255.0	-.30	260.0	-.32	265.0	-.42			
270.0	-.49	275.0	-.65	280.0	-1.34	285.0	-1.65	290.0	-1.47	295.0	-1.39			
300.0	-1.19	305.0	-1.30	310.0	-.66	315.0	-1.36	320.0	-1.60	325.0	-1.35			
330.0	-1.52	335.0	-1.79	340.0	-1.75	345.0	-1.73	9999.9	0.00	9999.9	0.00			

CORE A179-4(GS)

Emiliani 1955 (J Geol, 63, 538)

16.6N	74.8W	GS	0.0	-1.80	5.0	-1.78	10.0	-.81	15.0	-.02	20.0	.16	25.0	-.09
30.0	-.20	35.0	-.23	40.0	-.18	45.0	-.25	50.0	-.23	55.0	-.27			
60.0	-.34	65.0	-.32	70.0	-.34	75.0	-.22	80.0	-.28	85.0	-.78			
90.0	-.95	95.0	-1.03	100.0	-1.17	105.0	-1.03	110.0	-1.13	115.0	-1.50			
120.0	-1.80	125.0	-1.45	130.0	-.14	135.0	-.07	140.0	-.16	145.0	-.21			
150.0	-.81	155.0	-.47	160.0	-.82	165.0	-1.52	170.0	-1.68	175.0	-1.49			
180.0	-1.57	185.0	-1.36	190.0	-.84	195.0	-.90	200.0	-.15	205.0	-.35			
210.0	-.87	215.0	-1.03	220.0	-1.00	225.0	-1.66	230.0	-1.49	235.0	-1.34			
240.0	-1.35	245.0	-1.54	250.0	-1.24	255.0	-.15	260.0	-.12	265.0	-.63			
270.0	-.67	280.0	-.99	285.0	-1.41	290.0	-1.38	295.0	-1.20	300.0	-.83			
305.0	-.96	310.0	-.66	315.0	-.77	320.0	-1.58	325.0	-1.16	330.0	-.16			
330.0	-1.40	340.0	-1.24	345.0	-1.13	9999.9	0.00	9999.9	0.00	9999.9	0.00			

CORE A179-TW4

Emiliani 1955 (J Geol, 63, 538)

16.6N	74.8W	GS	5.5	-1.85	1.5	-2.10	2.5	-1.83	3.5	-1.64	4.5	-1.66	5.5	-1.81
6.6	-.91	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9

CORE A179-15

Mix et al 1986 (Paleoceanography, 1, 43)

24.8N	75.9W	GR	1.3	-8.16	2.1	-2.09	2.8	-2.01	3.5	-2.02	4.2	-2.24	4.9	-1.90
5.7	-2.06	6.4	-.95	7.2	-1.83	8.4	-1.60	10.5	-1.20	12.6	-.58			
14.7	-.55	15.8	-.20	16.9	-.34	18.0	-.16	19.1	-.59	20.2	-.86			
21.3	-.55	22.4	-.55	23.5	-.63	24.5	-.92	9999.9	0.00	9999.9	0.00			

CORE A180-73

Emiliani 1955 (J Geol, 63, 538)

18N	83.0W	GS	0.0	-1.44	3.6	-1.21	7.1	-.36	10.7	-.51	14.3	-.32	17.8	-.31
21.4	-.12	25.0	-.05	28.5	-.04	30.1	-.16	35.7	-.59	39.2	-.29			
42.8	-.30	46.4	-.41	49.9	-.44	53.5	-.57	57.1	-.42	60.6	-.38			
67.8	-.30	74.9	-1.06	78.5	-1.07	82.1	-1.55	85.6	-1.26	89.8	-1.86			
92.8	-.95	96.3	-.79	99.9	-.94	107.0	-.90	110.6	-1.11	114.2	-1.24			
117.7	-1.45	121.3	-1.73	124.9	-1.80	128.4	-.82	133.8	-.36	139.1	-.19			
142.7	-.17	146.3	-.14	149.6	-1.06	153.4	-.10	157.0	-1.20	160.5	-.63			
164.1	-.04	167.7	-.40	171.2	-.76	174.8	-.80	9999.9	0.00	9999.9	0.00			

CORE A240-MI

Broecker and Van Donk 1970 (Rev Geophys Space Phys, 8, 169) (a)

15.0N	69.0W	??												
0.0	-1.50	4.5	-1.70	9.1	-1.00	13.6	-1.23	18.1	.04	22.7	-1.18			
27.2	-1.03	31.8	-1.20	36.3	-1.21	40.8	-1.24	45.4	-1.34	49.9	-1.40			
54.4	-1.48	59.0	-1.36	63.5	-1.42	68.0	-1.48	72.6	-1.52	77.1	-1.59			
81.6	-1.82	86.2	-1.36	90.7	-1.00	95.3	-1.35	99.0	-1.43	104.3	-1.46			
108.9	-1.37	113.4	-1.20	117.9	-1.20	122.5	-1.26	127.0	-1.22	131.5	-1.46			
136.1	-1.31	140.6	-1.96	145.1	-1.25	149.7	-1.48	154.2	-1.40	158.8	-1.57			
163.3	-1.50	167.8	-1.58	172.4	-1.85	176.9	-1.73	9999.9	0.00	9999.9	0.00			

CORE A254-BR-C(GM)

Emiliani 1964 (Geol Soc Am Bull, 75, 129)

15.3N 72.9W GM

278.3	.17	281.8	.02	285.4	-.06	289.0	.04	292.5	-.04	296.1	0.00			
299.7	.08	303.2	.01	306.8	-.03	310.4	.08	313.9	-.24	317.5	-.23			
321.1	-.14	324.6	-.24	328.2	-.18	331.8	-.15	335.3	-.24	339.9	-.25			
342.5	-.37	346.0	-.31	349.6	-.10	353.2	-.15	356.7	-.33	360.3	-.13			
363.9	-.13	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00			

CORE A254-BR-C(GS)

Emiliani 1964 (Geol Soc Am Bull, 75, 129)

15.3N 72.9W GS

0.0	-1.61	3.6	-1.58	7.1	-.85	10.7	-.64	14.3	-.25	17.5	-.34			
21.4	-.74	25.0	-.59	28.5	-.78	32.1	-.53	35.7	-.39	39.2	-.73			
42.8	-.88	46.4	-.89	49.9	-.85	53.5	-.67	57.1	-.44	60.6	-.12			
64.2	-1.20	67.8	-1.22	71.3	-1.40	74.9	-1.33	78.5	-1.36	82.1	-1.34			
85.6	-1.47	89.2	-1.38	92.8	-1.24	96.3	-1.19	99.9	-1.12	103.5	-1.44			
107.0	-1.87	110.6	-1.47	114.2	-1.79	117.7	-1.49	121.3	-.65	124.9	-.55			
128.4	-.21	132.0	-.04	135.6	-.22	139.1	-.27	142.7	-.72	146.3	-.66			
149.8	-.37	153.4	-.51	157.0	-.53	160.5	-.68	164.1	-.81	167.7	-.47			
171.2	-.85	174.8	-1.27	178.4	-1.22	181.9	-1.21	185.5	-1.14	189.1	-1.15			
192.6	-1.25	196.2	-1.22	199.8	-1.24	203.3	-1.27	206.9	-.59	210.5	-.70			
214.0	-1.28	217.6	-1.38	221.2	-1.27	224.7	-.28	228.3	-.07	231.9	-.16			
239.0	-.30	242.6	-.74	246.2	-1.21	249.7	-.88	253.3	-.84	256.9	-1.09			
260.4	-1.11	264.0	-1.12	267.6	-1.37	271.1	-.46	274.7	-.87	278.3	-.51			
281.8	-1.03	285.0	-.98	288.5	-1.21	291.1	-.99	293.7	-1.12	303.8	-1.07			
306.8	-1.13	310.4	-1.08	317.5	-1.05	9999.9	0.00	9999.9	0.00	9999.9	0.00			

CORE AII15-558

Prell et al 1980 (Quat Res, 14, 309) (*)

9.0N 51.7E GS

1.8	-2.50	6.4	-1.10	9.2	-1.70	11.9	-1.55	16.5	-.85	20.2	-.80			
23.9	-1.45	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00			

CORE AII60-13APC

Curry and Lohmann 1982 (Quat Res, 18, 218)

32.0S 36.6W PW

0.0	2.63	1.5	2.72	9.0	2.91	15.0	3.76	30.0	3.97	39.3	3.81			
62.7	4.07	76.7	3.47	86.0	3.32	100.0	3.57	105.6	3.45	114.0	3.01			
119.6	3.37	128.0	3.50	141.0	3.72	9999.9	0.00	9999.9	0.00	9999.9	0.00			

CORE C82-31

Boyle and Keigwin 1982 (Science, 218, 784)

42.0N 32.0W CW

3.9	2.57	5.0	2.30	8.0	2.85	10.4	2.55	12.8	2.75	15.7	3.39			
21.4	4.40	22.8	4.35	28.0	4.22	35.6	3.89	43.6	3.60	52.5	3.71			
58.5	3.55	64.4	3.68	67.4	3.64	70.3	3.89	71.8	3.98	73.5	3.51			
74.8	3.53	77.7	3.36	82.5	3.19	84.9	3.03	86.1	2.99	87.5	3.44			
82.0	3.27	90.5	3.44	93.5	2.92	96.4	2.91	97.9	2.99	100.9	3.51			
103.6	3.38	105.9	3.30	108.9	2.74	111.9	2.44	113.4	2.98	115.7	3.68			
117.2	3.34	121.7	3.85	127.0	4.21	128.5	3.89	135.9	3.49	138.6	3.64			

144.5	3.21	146.0	3.09	147.5	2.95	149.0	2.84	150.4	2.69	151.9	2.75
153.4	2.57	158.5	2.63	159.9	2.65	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE CH73-139C(CD)

Duplessy et al 1981 (Palaeogeog, Palaeoclim, Palaeoeco, 35, 121) (*)

54.6N 16.4W CD

0.0	2.65	1.6	2.70	2.1	2.60	3.0	2.72	4.3	2.78	5.3	2.73
6.4	2.73	6.8	2.80	7.1	2.65	7.5	2.88	7.9	2.90	9.0	2.95
10.2	3.45	11.3	3.48	12.4	3.46	13.5	3.42	14.7	4.05	15.8	3.90
16.8	4.40	17.9	4.92	18.9	4.60	20.0	4.55	21.0	4.63	22.1	4.55
23.1	4.25	25.8	4.70	26.2	4.70	27.3	4.60	9999.9	0.00	9999.9	0.00

CORE CH73-139C(GB)

Duplessy et al 1981 (Palaeogeog, Palaeoclim, Palaeoeco, 35, 121) (*)

54.6N 16.4W GB

0.0	.90	.5	.92	1.1	.90	1.6	.95	2.1	1.00	3.8	1.00
4.3	.78	5.3	.87	6.4	1.12	6.8	1.09	7.1	1.80	7.5	1.05
7.9	1.53	9.0	1.75	10.2	2.50	11.3	2.46	12.4	2.26	13.5	2.29
14.7	2.53	15.6	2.97	16.8	3.25	17.9	3.45	18.9	3.87	20.0	3.00
21.0	2.95	22.1	2.50	23.1	2.90	24.1	3.00	9999.9	0.00	9999.9	0.00

CORE CH73-139C(NP)

Duplessy et al 1981 (Palaeogeog, Palaeoclim, Palaeoeco, 35, 121) (*)

54.6N 16.4W NP

0.0	6.48	6.4	2.30	6.8	2.26	7.1	2.48	7.5	2.73	7.9	2.73
9.0	10.88	10.8	2.92	11.3	2.98	12.4	2.98	13.0	3.50	13.5	3.70
14.1	3.80	14.7	4.00	15.8	3.95	16.8	4.00	17.9	4.00	18.9	3.92
20.0	3.75	21.0	4.10	22.1	3.95	23.1	3.80	24.1	3.73	9999.9	0.00

CORE CHN82-24-4PC

Boyle and Keigwin 1985 (Earth Planet Sci Lett, 76, 135) (*)

41.7N 32.9W CW

0.0	2.70	1.4	2.60	2.8	2.60	4.2	2.70	5.5	2.85	6.9	3.00
6.3	3.15	15.8	4.20	16.6	4.45	18.0	4.50	19.3	4.50	20.6	4.10
21.9	4.10	24.6	3.95	25.9	3.80	28.5	3.95	29.8	3.80	31.1	4.00
38.4	3.75	33.8	3.65	35.1	3.95	36.4	3.40	37.7	3.70	39.0	3.60
40.3	3.90	41.6	3.75	43.0	3.80	44.3	3.75	45.6	3.70	46.9	3.60
48.8	3.30	49.5	3.80	50.8	3.70	53.5	3.55	54.8	3.85	56.1	3.75
57.4	3.80	58.7	4.20	60.0	3.60	61.3	4.30	62.7	3.70	64.0	3.80
65.2	3.50	66.6	3.35	67.9	3.50	69.2	3.45	70.5	3.35	71.8	3.30
73.8	3.25	74.5	3.20	75.8	3.15	77.1	3.25	78.4	3.45	79.7	3.65
81.0	3.40	82.3	3.55	83.7	3.40	85.0	3.40	86.3	3.05	87.6	3.45
88.9	3.30	90.2	3.20	91.5	3.10	102.0	3.30	103.4	3.00	104.7	3.10
106.0	3.45	107.3	3.05	108.6	3.40	109.9	3.20	111.2	3.50	112.6	3.20
113.9	3.50	115.8	3.30	116.5	2.90	117.8	3.00	119.1	3.35	120.4	3.70
121.7	2.55	123.1	2.45	124.4	2.60	125.7	2.95	127.0	3.40	128.3	3.95
129.6	4.00	132.3	4.15	134.9	3.95	136.2	4.10	137.5	4.05	138.8	4.00
140.1	3.90	141.4	4.10	142.8	3.95	144.1	4.10	145.4	3.85	146.7	3.75
149.3	3.70	150.6	3.85	152.0	3.80	153.3	4.00	154.6	3.70	155.9	3.80
157.8	3.95	158.5	3.90	159.8	3.70	161.1	3.50	162.5	3.35	163.8	3.05
165.1	3.25	166.4	3.00	167.7	2.90	169.0	2.70	170.3	3.30	171.7	3.10
173.0	2.75	174.3	3.00	175.6	2.90	176.9	3.15	9999.9	0.00	9999.9	0.00

CORE CHN82-41-15PC

Boyle and Keigwin 1987 (Nature, 330, 35)

43.4N 28.8W CW

1.0	2.46	3.1	2.43	4.6	2.77	6.1	2.64	8.2	3.36	9.7	3.18
11.3	2.93	12.8	3.55	13.8	3.19	14.9	3.96	15.9	3.92	16.9	3.95
18.4	3.74	21.0	3.42	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE CHNCE-50-20

Boyle and Keigwin 1985 (Earth Planet Sci Lett., 76, 135) (*)

43.5N 89.9W CW

.3	2.50	.5	2.45	1.1	2.15	1.6	2.50	1.9	2.45	2.2	2.45
2.5	2.25	2.7	2.50	3.0	2.35	3.6	2.65	3.8	2.80	4.1	2.95
4.4	2.75	4.7	2.85	5.2	3.10	8.0	3.05	9.0	3.00	9.6	3.15
10.1	3.15	11.5	2.95	13.2	3.00	14.3	3.05	15.1	2.75	16.5	3.70
17.0	4.25	19.2	4.35	20.0	4.15	20.8	4.30	21.7	4.20	22.2	4.15
22.8	4.35	23.6	4.25	25.0	4.25	25.5	3.75	26.3	3.95	27.4	3.95
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE CHN115-70PC

Curry and Lohmann 1982 (Quat Res., 18, 218)

29.9S 35.7W PW

0.0	3.09	2.0	2.56	5.0	2.68	10.0	3.05	19.0	4.08	32.8	4.30
46.7	3.89	60.5	3.90	74.3	3.79	90.9	3.51	102.0	3.79	110.0	2.97
118.0	3.27	126.0	3.38	133.5	3.69	141.0	4.21	9999.9	0.00	9999.9	0.00

CORE CHN115-88PC

Curry and Lohmann 1982 (Quat Res., 18, 218)

30.9S 38.1W PW

0.0	2.62	11.0	3.10	20.0	3.57	38.5	3.80	40.8	3.79	53.3	3.65
61.7	3.77	74.2	3.78	82.5	3.16	95.0	3.29	110.4	2.90	116.6	2.89
132.0	3.68	137.4	3.60	146.4	3.37	150.0	3.56	9999.9	0.00	9999.9	0.00

CORE CHN115-89PC

Curry and Lohmann 1982 (Quat Res., 18, 218)

30.9S 38.2W PW

11.0	3.88	13.0	3.40	15.5	3.65	17.5	3.65	18.0	3.85	30.0	3.64
38.0	3.90	48.0	3.76	70.0	3.16	78.0	3.52	92.0	2.76	98.0	3.41
106.4	2.89	110.0	3.12	114.8	3.13	122.0	2.95	128.0	3.54	141.0	4.19
159.2	3.95	167.0	3.62	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE CHN115-90PC

Curry and Lohmann 1982 (Quat Res., 18, 218)

30.9S 38.4W PW

10.0	3.20	18.0	4.16	32.3	3.93	38.1	3.90	52.4	3.75	61.0	3.69
75.3	3.74	89.7	3.37	104.0	3.62	109.2	3.00	117.0	2.99	130.0	3.81
136.0	3.97	142.0	4.30	144.4	3.06	148.0	4.05	9999.9	0.00	9999.9	0.00

CORE CHN115-91PC

Curry and Lohmann 1982 (Quat Res., 18, 218)

30.8S 38.4W PW

0.0	2.99	3.0	2.92	18.0	3.60	36.3	3.84	54.5	3.94	72.6	3.49
83.7	3.60	102.0	3.61	107.1	3.43	120.0	3.08	140.0	4.15	150.0	3.89
160.0	3.73	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE CHN115-92PC

Curry and Lohmann 1982 (Quat Res., 18, 218)

30.4S 38.8W PW

8.0	3.16	9.8	3.54	12.0	3.37	14.0	3.60	16.0	3.81	18.0	4.04
28.9	3.92	39.8	4.05	50.6	3.99	61.5	3.79	72.4	2.96	94.1	3.71
105.0	3.51	114.3	2.89	123.7	2.84	133.0	3.74	9999.9	0.00	9999.9	0.00

CORE CP-28

Emiliani 1964 (Geol Soc Am Bull., 75, 129)

16.8N 74.4W GS

-0	-1.44	3.6	-1.42	7.1	-1.30	10.7	-1.39	14.3	-1.03	17.8	-1.71
21.4	-0.01	25.0	-0.01	32.1	-0.79	35.7	-0.34	39.2	-0.29	42.8	-0.39
46.4	-1.85	49.9	-1.45	53.5	-1.18	57.1	-0.34	60.6	-0.15	64.2	-0.44

67.8	-1.37	74.9	-1.85	78.5	-1.86	82.1	-1.85	85.6	-1.97	89.2	-1.04
92.8	-1.18	96.3	-1.01	99.9	-1.08	103.5	-1.98	107.0	-1.87	110.6	-1.74
114.8	-1.85	117.7	-1.16	121.3	-1.66	124.9	-1.58	128.4	-1.13	132.9	-1.37
135.6	-1.47	139.1	-1.91	142.7	-1.19	146.3	-1.35	149.8	-1.69	153.4	-1.36
157.0	-1.19	160.5	-1.88	164.1	-1.06	167.7	-1.84	171.2	-1.27	174.8	-1.28
181.9	-1.00	185.5	-1.26	189.1	-1.30	192.6	-1.27	196.2	-1.41	199.8	-1.06
203.3	-1.24	206.9	-1.15	210.5	-1.18	214.0	-1.08	217.6	-1.70	221.0	-1.05
224.7	-1.08	228.3	-1.76	231.9	-1.77	235.4	-1.90	239.0	-1.11	242.6	-1.85
246.2	-1.07	249.7	-1.06	253.3	-1.13	256.9	-1.83	260.4	-1.99	264.0	-1.46
267.6	-1.74	271.1	-1.41	274.7	-1.28	278.3	-1.37	281.8	-1.40	285.4	-1.57
292.5	-1.34	296.1	-1.41	299.7	-1.19	303.2	-1.61	306.8	-1.59	310.4	-1.80
313.9	-1.84	317.5	-1.71	321.1	-1.58	324.6	-1.64	328.2	-1.81	331.8	-1.55
335.3	-1.52	338.9	-1.76	342.5	-1.83	346.0	-1.36	349.6	-1.22	353.2	-1.97
356.7	-1.85	360.3	-1.76	363.9	-1.80	367.4	-1.76	371.0	-1.77	374.6	-1.05
378.1	-1.02	381.7	-1.39	385.3	-1.51	388.8	-1.24	392.4	-1.46	396.0	-1.15
399.6	-1.08	403.1	-1.10	406.7	-1.00	410.3	-1.76	413.8	-1.79	417.4	-1.68
421.0	-1.91	424.5	-1.00	428.1	-1.26	431.7	-1.50	435.2	-1.31	438.8	-1.11
442.4	-1.43	445.9	-1.28	449.5	-1.23	453.1	-1.03	456.6	-1.34	460.8	-1.37
463.8	-1.03	467.3	-1.06	470.9	-1.10	474.5	-1.07	478.0	-1.08	481.6	-1.05
485.2	-1.97	488.7	-1.88	492.3	-1.14	495.9	-1.10	499.4	-1.14	9999.9	0.00

CORE DSDP-552A

Shackleton et al 1984 (Nature, 307, 620) (*)

56.0N 83.2W UP

0.0	3.73	5.4	3.35	10.9	4.93	16.3	4.48	21.8	4.65	27.2	4.73
32.7	4.40	38.1	4.60	43.6	4.65	49.0	4.56	54.5	4.60	59.9	4.26
65.4	4.48	70.8	4.60	76.3	4.15	81.7	4.12	87.2	4.06	92.6	4.00
98.1	4.05	103.5	4.25	109.0	3.50	114.4	3.20	119.9	3.86	125.3	3.80
130.7	4.72	136.2	5.15	141.6	4.85	147.1	4.50	152.5	4.95	158.0	4.70
163.4	4.50	168.9	4.95	174.3	4.25	179.8	3.98	185.2	3.82	190.7	3.95
196.1	4.00	201.6	3.97	207.0	3.57	212.5	3.60	217.9	4.43	223.4	3.95
228.8	4.23	234.3	4.27	239.7	3.97	245.1	4.56	250.6	4.20	256.0	4.13
266.9	3.67	272.4	3.18	277.8	3.25	283.7	4.50	294.8	4.50	299.6	4.40
305.1	3.80	310.5	3.50	316.0	3.68	321.4	3.45	326.9	3.26	332.3	3.60
337.8	3.65	343.2	3.95	348.7	3.67	354.1	4.45	359.6	5.80	365.0	4.96
370.4	4.85	375.9	4.87	381.3	4.70	386.8	4.84	392.8	4.65	397.7	4.87
403.1	4.75	408.6	4.62	414.0	4.81	419.5	4.74	424.9	4.90	430.4	4.49
435.8	4.85	441.3	4.15	446.7	4.00	452.2	4.00	457.6	3.90	463.1	4.18
468.5	4.52	474.0	4.33	479.4	4.35	484.9	4.21	490.3	4.25	495.7	4.76
501.2	4.32	506.6	3.96	512.1	4.10	517.5	4.15	523.0	4.00	528.4	4.08
533.9	3.95	539.3	3.75	544.8	4.04	550.0	3.65	555.7	3.65	561.1	3.86
572.0	5.00	577.5	5.05	582.9	4.51	588.4	4.62	593.8	4.35	599.3	4.63
610.1	4.57	615.6	4.58	621.0	4.83	626.5	4.65	631.9	4.51	637.4	4.15
642.8	4.15	648.3	4.01	653.7	3.62	659.2	4.00	664.6	3.85	670.1	4.07
675.5	4.15	681.0	4.16	686.4	3.64	691.9	4.70	697.3	4.49	702.0	4.30
708.2	4.07	713.7	4.25	719.1	4.38	724.6	4.49	730.0	4.70	733.8	3.80
736.3	3.24	739.5	3.22	742.6	4.30	745.8	4.70	748.9	4.90	752.1	4.45
755.3	4.18	759.4	3.77	761.6	4.00	764.7	3.60	767.9	3.85	771.1	3.90
774.2	3.65	777.4	3.85	780.5	3.75	783.7	3.66	786.6	4.95	790.0	4.58
793.2	4.30	796.3	3.50	799.5	4.65	802.6	4.25	805.8	4.17	809.9	4.18
812.1	3.96	815.3	4.27	818.4	4.55	821.6	3.95	824.7	3.47	827.9	3.30
831.1	3.85	834.2	4.25	837.4	4.20	840.5	3.70	843.7	3.65	846.8	3.92
850.0	4.25	853.2	4.05	856.3	3.95	859.5	4.42	862.6	3.95	865.8	3.95
868.9	4.04	872.1	4.35	875.3	3.90	878.4	4.30	881.6	4.45	884.7	4.30
887.9	3.72	891.1	3.95	894.0	2.50	897.4	3.47	900.5	3.75	903.7	4.10
906.8	4.15	910.0	4.25	913.2	4.26	916.3	4.00	919.5	4.25	922.6	4.40
925.8	4.62	928.9	4.25	932.1	3.92	935.3	3.80	938.4	3.55	941.6	3.85
944.7	3.50	947.9	4.25	951.1	4.70	954.2	4.73	957.4	4.75	960.5	3.95
963.7	3.40	966.8	4.00	970.0	3.48	973.2	3.32	976.3	3.10	979.5	4.05
982.6	4.40	985.8	4.37	988.9	4.00	992.1	3.96	995.3	3.70	998.4	3.35

1001.6	4.20	1004.7	4.15	1007.9	4.12	1011.1	4.08	1014.3	3.98	1017.4	3.65
1020.5	4.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE DSDP-594(GB)

Nelson et al 1988 (Nature, 318, 361) (*)

45.5S	174.9E	GB	0.0	1.50	3.7	1.50	7.3	3.00	11.0	3.10	14.7	3.30	18.4	2.80
			22.0	3.50	25.7	3.70	29.4	3.00	33.0	3.30	36.7	3.50	40.4	2.50
			44.1	2.60	47.7	2.50	51.4	2.70	55.1	2.60	58.8	3.00	62.4	2.80
			66.1	3.20	69.8	3.20	73.4	3.20	77.1	3.00	80.8	3.00	84.5	2.80
			88.1	2.80	91.8	2.40	95.5	2.70	99.1	2.70	102.8	2.20	106.5	2.50
			110.2	2.60	113.0	2.60	117.5	1.40	121.2	3.20	124.8	2.40	128.5	3.10
			132.2	3.00	135.9	3.40	139.5	3.10	143.2	3.00	146.9	3.40	150.6	3.00
			154.2	3.30	157.9	2.30	161.6	3.20	165.2	2.70	168.9	3.10	172.6	1.20
			176.3	2.00	179.9	2.30	183.6	2.20	190.9	2.20	198.3	1.60	205.6	3.00
			213.0	3.50	220.3	2.60	227.7	3.20	235.0	2.70	242.4	2.30	249.7	1.50
			257.0	2.50	264.4	3.10	271.7	3.30	279.1	2.40	286.4	3.40	293.8	3.00
			301.1	2.90	308.5	2.40	315.8	2.90	323.1	2.50	330.5	1.00	337.8	1.80
			345.2	3.30	352.5	3.00	359.9	3.10	367.2	3.60	374.5	2.90	381.9	3.40
			389.2	2.80	396.6	2.60	403.9	2.30	411.3	2.00	418.6	2.80	426.0	2.10
			433.3	2.70	440.6	2.30	448.0	2.20	455.3	3.20	462.7	2.00	470.0	1.70
			477.4	3.40	484.7	2.60	492.1	2.40	499.4	3.00	506.7	3.50	514.1	2.80
			521.4	3.10	528.8	2.30	536.1	3.10	550.8	2.00	558.1	1.50	565.5	2.40
			572.8	3.50	580.2	2.70	587.5	3.90	594.9	3.60	602.2	2.10	609.6	1.30
			616.9	2.90	624.2	3.20	631.6	2.80	638.9	2.00	646.3	1.40	653.6	1.60
			661.0	2.10	668.3	3.00	675.7	2.70	683.0	2.30	690.3	2.00	697.7	2.40
			705.0	2.20	712.4	2.70	719.7	1.40	727.1	2.50	733.7	3.20	9999.9	0.00

CORE DSDP-594(MB)

Nelson et al 1988 (Nature, 318, 361) (*)

45.5S	174.9E	MB	0.0	4.00	3.7	3.80	7.3	4.30	11.0	5.70	14.7	5.80	18.4	5.70
			22.0	6.10	25.7	5.40	29.4	5.50	33.0	5.20	36.7	5.50	40.4	5.00
			44.1	4.90	47.7	5.10	51.4	4.80	55.1	4.90	58.8	5.00	62.4	4.90
			66.1	5.50	69.8	5.40	73.4	5.50	77.1	4.40	80.8	4.80	84.5	4.60
			88.1	4.70	91.8	4.60	95.5	5.00	99.1	4.90	102.8	4.40	106.5	4.00
			110.2	4.10	113.0	4.20	117.5	3.90	121.2	5.30	124.8	4.80	128.5	5.00
			132.2	4.70	135.9	5.40	139.5	5.30	143.2	5.40	146.9	5.10	150.6	4.90
			154.2	4.90	157.9	5.10	161.6	4.70	165.2	5.60	168.9	4.60	172.6	5.20
			176.3	4.00	179.9	4.30	190.9	3.70	198.3	4.70	205.6	4.60	213.0	5.00
			220.3	4.80	227.7	5.40	242.4	4.80	257.0	5.30	264.4	5.80	271.7	5.40
			279.1	4.60	286.4	5.20	301.1	5.10	308.5	5.20	315.8	4.90	323.1	4.60
			330.5	3.70	345.2	5.30	367.2	5.90	374.5	6.10	381.9	5.40	389.2	5.60
			396.6	5.20	403.9	5.50	411.3	4.10	418.6	4.50	426.0	5.20	433.3	4.60
			440.6	5.50	448.0	5.10	455.3	5.00	462.7	3.70	470.0	4.60	477.4	5.00
			484.7	4.30	492.1	5.50	499.4	5.60	506.7	5.30	514.1	5.30	521.4	5.10
			528.8	5.60	536.1	4.90	550.8	5.40	558.1	4.40	565.5	4.00	572.8	4.70
			580.2	4.20	587.5	5.60	594.9	5.40	602.2	5.80	609.6	4.80	616.8	3.60
			624.2	6.10	631.6	5.00	638.9	4.50	646.3	4.30	653.6	4.50	661.0	4.10
			668.3	5.60	675.7	5.00	683.0	4.60	690.3	4.60	697.7	3.80	705.0	4.20
			712.4	4.90	719.7	4.10	727.1	4.40	733.7	4.70	9999.9	0.00	9999.9	0.00

CORE E45-27

Prall et al 1980 (Quat Res, 14, 309) (*)

43.3S	105.6E	CB	0.0	3.25	6.0	2.90	12.0	4.00	18.0	3.55	24.0	3.45	30.0	2.95
			36.0	3.10	42.0	2.95	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE E48-22

Prall et al 1980 (Quat Res, 14, 309) (*)

39.96	65.4E	GT
5.4	1.75	8.2
13.2	3.55	15.4
39.99	0.00	9999.9

CORE E48-23

Prell et al 1980 (Quat Res, 14, 309) (*)

39.58	63.7E	GT
5.6	1.40	11.3
39.4	2.35	45.0

CORE E48-27

Prell et al 1980 (Quat Res, 14, 309) (*)

38.58	79.9E	GB
0.0	1.15	2.9
17.4	3.00	20.3

CORE EN23-LG007

Keigwin et al 1984 (Quat Res, 22, 383) (*)

35.2N	60.6W	GI
0.0	.60	.9
5.2	.75	6.1
10.4	1.85	11.3
16.5	2.05	17.4
22.6	1.80	9999.9

CORE EN24-PC06

Keigwin et al 1984 (Quat Res, 22, 383) (*)

35.2N	60.6W	GI
0.0	.60	.7
4.2	1.60	5.0
8.5	2.15	9.2
12.7	2.35	13.5
17.0	2.10	17.7
22.7	1.60	9999.9

CORE EN32-PC4(Pink)

Broecker et al 1989 (Nature, 341, 318) (*)

26.9N	91.4W	GR
0.0	-1.70	1.8
8.2	-1.20	8.7
9.9	-2.05	10.0
10.6	-2.00	10.7
11.4	-2.05	11.5
12.0	-3.15	12.1
12.5	-2.30	12.5
12.8	-1.55	12.8
13.1	-1.50	13.1

CORE EN32-PC4(White)

Broecker et al 1989 (Nature, 341, 318) (*)

26.9N	91.4W	GR
0.0	-1.75	.9
6.4	-1.40	7.3
9.5	-1.25	9.8
10.2	-1.10	10.3
10.8	-1.35	10.8
11.4	-1.60	11.5
12.0	-1.10	12.0
12.3	-1.40	12.4

12.6 -.90 12.7 -1.15 12.7 .30 12.7 .10 12.8 -.65 12.8 .05
12.9 .50 12.9 .25 13.0 .30 13.0 .80 13.1 .30 13.1 .00
9999.9 0.00 9999.9 0.00 9999.9 0.00 9999.9 0.00 9999.9 0.00 9999.9 0.00

CORE EN32-PC6

Broecker et al 1988 (Paleoceanography, 3, 13) (**)

27.0N 91.4W GR

CORE EN66-10(65)

Mik and Ruddiman 1995 (Quat Sci Rev, 4, 59)

6.7K 21.9W 6.0E

1.5	-1.45	0.13	-1.41	3.0	-1.17	4.5	-1.20	5.3	-1.38	6.0	-1.03
6.9	-1.10	7.8	-1.85	8.7	-1.67	9.6	-1.57	10.4	-1.00	11.0	-1.06
13.8	-1.37	13.1	-1.17	13.6	-1.27	14.0	-1.37	15.7	-1.44	17.3	-1.36
19.0	-1.00	19.0	-1.38	19.8	-1.10	20.7	-1.45	21.5	-1.29	24.0	-1.00
24.0	-1.00	24.0	-1.00	24.9	-1.00	24.9	-1.00	24.9	-1.00	24.9	-1.00

CORE EN66-100WD

Mix and Ruddiman, 1990 (Quat Soc Rev., 4, 1990)

6 7N PI SU ND

CORE EN066-1066C

Curry and Lohmann 1983 (Nature, 306, 577)

6.7N 81.9W PW

2.7 2.25 4.8 2.49 6.8 2.69 9.6 3.81 12.2 2.98 18.4 4.08
 21.0 4.02 84.0 3.87 28.0 4.11 31.0 3.91 33.3 25.81 36.4 3.79
 38.7 3.84 40.9 3.79 48.4 3.56 9999.9 0.00 9999.9 0.00 9999.9 0.00

CORE EN066-16660

Curry and Lohmann 1983 (Nature, 306, 577)

57. 15 20 21. 14 22

20.9	0.154	16.0	2.44	7.1	3.35	9.9	2.61	12.0	3.09	16.3	4.14
18.0	4.19	19.7	4.35	21.9	4.38	23.6	4.30	25.3	4.09	27.5	4.14
29.8	4.80	30.9	4.05	36.4	4.08	41.9	3.76	47.4	3.73	9999.9	0.00

CORE EN066-2166

Curry and Lohmann 1983 (Nature, 306, 577)

4.0N 20.6W PW

1.6	10.50	3.6	7.2	1.54	6.5	2.55	3.5	3.06	18.7	3.42	17.75	0	3.03
17.4	3.86	20.6	4.09	23.3	4.07	26.1	3.72	29.8	4.03	34.8	3.5	3.96	
34.1	3.97	36.8	3.84	39.6	3.41	45.0	3.73	50.4	3.75	59.9	3.9	0.00	

CORE EN066-26GGC

Curry and Lohmann 1983 (Nature, 306, 577)

3.1N 20.0W MD

2.7	2.64	6.6	2.67	9.5	3.04	11.6	3.26	13.8	3.62	16.7	4.19
16.8	4.11	21.0	4.16	23.9	4.23	26.1	4.03	28.3	4.10	31.0	4.23
33.1	4.01	35.1	3.97	47.4	3.59	59.7	3.56	9999.9	0.00	9999.9	0.00

CORE EN066-29GGC

Curry and Lohmann 1983 (Nature, 306, 577)

2.5N	19.8W	PW									
2.4	2.57	5.9	2.66	8.2	3.01	11.8	3.17	14.0	4.03	17.3	4.06
22.8	3.50	28.2	4.00	30.4	3.99	32.8	3.62	34.5	3.48	36.9	3.75
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE EN066-32GGC

Curry and Lohmann 1983 (Nature, 306, 577)

2.5N	19.7W	PW									
2.4	2.76	4.2	2.68	5.9	2.88	8.3	3.18	10.0	2.93	11.7	3.31
14.0	3.46	16.8	4.11	18.7	4.09	20.1	4.08	21.5	4.05	32.8	3.69
35.3	3.80	37.0	3.73	38.2	3.74	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE EN066-36GGC

Curry and Lohmann 1983 (Nature, 306, 577)

4.5N	20.2W	PW									
3.1	2.75	5.4	2.87	7.7	2.99	10.7	3.56	12.8	3.12	15.0	3.75
17.8	4.28	19.8	4.24	21.9	4.18	24.6	4.31	26.6	4.27	30.6	3.98
32.4	3.95	39.9	3.70	45.1	3.62	50.4	3.80	9999.9	0.00	9999.9	0.00

CORE EN066-38GGC

Curry and Lohmann 1983 (Nature, 306, 577)

4.9N	20.5W	PW									
2.2	2.64	4.4	2.68	6.5	3.00	8.7	2.96	12.0	3.17	14.5	3.99
17.0	4.05	21.0	4.23	24.0	4.23	27.0	3.93	29.4	4.00	32.7	3.95
35.1	3.85	37.6	3.89	39.5	3.92	52.1	3.70	9999.9	0.00	9999.9	0.00

CORE EN066-44GGC

Curry and Lohmann 1983 (Nature, 306, 577)

5.3N	21.7E	PW									
4.3	2.59	7.6	2.93	10.8	3.69	14.6	3.59	17.4	4.40	20.8	4.09
23.8	4.36	26.4	4.27	29.1	4.44	32.7	4.34	34.8	3.99	37.0	4.04
39.9	4.17	42.0	3.91	44.1	4.11	51.2	3.40	9999.9	0.00	9999.9	0.00

CORE EN120-GGC1

Boyle and Keigwin 1987 (Nature, 330, 35)

33.7N	57.6W	CW									
1.8	2.36	1.0	2.48	1.4	2.37	1.6	2.49	1.8	2.48	2.2	2.36
2.4	2.43	2.5	2.33	2.7	2.48	2.9	2.41	3.1	2.47	3.3	2.84
3.5	2.24	3.7	2.54	3.9	2.58	4.1	2.54	4.4	2.40	4.6	2.40
4.8	2.43	5.0	2.46	5.2	2.51	5.4	2.45	5.6	2.39	5.8	2.59
5.9	2.37	6.2	2.69	6.7	2.49	6.9	2.54	7.1	2.54	7.3	2.54
7.5	2.49	7.8	2.60	8.0	2.45	8.2	2.71	8.4	2.40	8.6	2.62
8.8	2.39	9.0	2.46	9.2	2.47	9.4	2.97	9.6	2.65	9.8	2.80
10.0	2.95	10.2	3.19	10.4	2.84	10.6	2.49	10.8	3.05	11.0	2.98
11.2	3.23	11.4	3.89	11.6	2.80	11.8	3.31	12.0	3.01	12.4	3.17
13.6	3.21	14.2	3.35	14.6	3.59	15.6	3.70	15.8	3.73	16.2	3.74
16.4	3.80	16.8	3.77	17.2	3.76	17.4	3.79	17.6	3.96	17.8	3.77
24.0	3.74	25.1	3.99	25.5	4.05	25.9	4.02	26.8	3.71	9999.9	0.00

CORE ERDC-92(66)

Berger and Killingley 1977 (Science, 197, 563)

2.2S	157.0E	GS									
4.5	-1.90	4.0	-2.10	5.5	-2.11	6.5	-1.86	6.8	-1.98	7.4	-1.99
6.1	-2.07	8.4	-1.94	9.1	-1.89	10.0	-1.87	10.5	-1.87	11.6	-1.61

13.7	-1.56	13.3	-1.58	13.8	-1.95	14.4	-1.88	15.5	-1.12	16.1	-1.85
16.6	-1.75	18.3	-1.01	18.8	-1.94	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE ERDC-92(PO)

Berger and Killingley 1977 (Science, 197, 563)

0.0N 160.4E GS

4.5	-1.19	4.6	-1.38	5.5	-1.35	6.5	-1.11	6.8	-1.14	7.4	-1.10
8.1	-1.03	8.4	-1.19	9.1	-1.22	10.0	-1.95	10.5	-1.97	11.6	-1.79
12.7	-1.72	13.3	-1.77	13.8	-1.43	14.4	-1.18	15.5	-1.21	16.1	-1.21
16.6	-1.11	17.2	-1.16	18.3	.05	19.4	-1.14	9999.9	0.00	9999.9	0.00

CORE ERDC-123(GS)

Vincent et al 1981 (Nature, 289, 639) (*)

0.0N 160.4E GS

2.9	3.40	3.2	4.07	3.6	4.67	4.7	3.92	5.7	3.30	8.1	3.43
9.8	4.04	11.8	4.63	12.3	4.75	14.9	4.48	9999.9	0.00	9999.9	0.00

CORE ERDC-123(FF)

Vincent et al 1981 (Nature, 289, 639) (*)

0.0N 160.4E FF

2.9	3.00	3.2	3.78	3.6	3.77	4.7	3.02	5.7	3.15	8.1	2.88
9.8	2.64	11.8	3.18	13.3	4.16	14.9	3.93	16.2	4.17	9999.9	0.00

CORE ERDC-123(GS)

Vincent et al 1981 (Nature, 289, 639) (*)

0.0N 160.4E GS

2.9	-1.57	3.2	-1.75	3.6	-1.85	4.7	-2.18	5.7	-2.00	6.7	-2.07
8.1	-1.70	9.0	-1.70	9.8	-1.73	10.6	-1.62	11.0	-1.70	11.4	-1.67
11.8	-1.57	12.2	-1.62	13.3	-1.12	14.2	-1.16	14.9	-1.03	15.6	-1.80
16.6	-1.71	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE ERDC-123(ND)

Vincent et al 1981 (Nature, 289, 639) (*)

0.0N 160.4E ND

2.9	-1.60	3.2	-1.52	3.6	-1.41	4.7	-1.33	5.7	-1.30	6.7	-1.26
8.1	-1.63	9.0	-1.17	9.8	-1.05	10.6	-1.12	11.0	-1.91	11.4	-1.73
11.8	-1.79	12.2	-1.34	13.3	-1.12	14.2	-1.23	14.9	-1.85	9999.9	0.00

CORE ERDC-123(OU)

Vincent et al 1981 (Nature, 289, 639) (*)

0.0N 160.4E OU

2.9	3.32	3.2	3.95	3.6	3.48	4.7	3.62	5.7	3.30	8.1	3.28
9.8	3.53	11.8	4.22	12.3	4.07	14.9	4.12	16.2	4.70	9999.9	0.00

CORE ERDC-123(PO)

Vincent et al 1981 (Nature, 289, 639) (*)

0.0N 160.4E PO

2.9	-1.30	3.2	-1.15	3.6	-1.35	4.7	-1.85	5.7	-1.37	6.7	-1.00
8.1	-1.12	9.0	-1.23	9.8	-1.24	10.6	-1.83	11.0	-1.73	11.4	-1.82
11.8	-1.25	12.2	-1.62	13.3	-1.17	14.2	-1.50	15.6	-1.05	9999.9	0.00

CORE ERDC-123(PW)

Vincent et al 1981 (Nature, 289, 639) (*)

0.0N 160.4E PW

2.9	2.65	3.2	2.77	3.6	2.83	4.7	2.80	5.7	2.15	8.1	2.18
9.8	2.84	11.8	3.15	12.3	3.45	14.9	3.98	16.2	4.19	9999.9	0.00

CORE ERDC-128(GS)

Berger and Killingley 1977 (Science, 197, 563)

0.0N 161.4E GS

4.8	-1.82	5.8	-1.83	6.1	-1.89	6.5	-1.79	6.8	-1.82	7.1	-1.71
7.4	-1.69	7.8	-1.63	8.1	-1.65	8.4	-1.65	8.7	-1.49	9.1	-1.55
9.4	-1.60	10.0	-1.46	10.5	-1.32	11.1	-1.29	11.6	-1.34	12.2	-1.32
12.7	-1.31	13.3	-1.11	14.4	-1.09	15.0	-1.19	15.5	-1.53	16.1	-1.09
17.2	-1.94	18.3	-1.00	18.8	-1.20	19.4	-1.73	20.5	-1.76	21.6	-1.89
22.8	-1.87	22.7	-1.80	23.3	-1.60	23.8	-1.88	9999.9	0.00	9999.9	0.00

CORE ERDC-128(PO)

Berger and Killingsley 1977 (Science, 197, 563)

0.0N	161.4E	PO									
0.0	-1.21	4.5	-1.19	4.8	-1.24	5.2	-1.06	5.5	-1.15	5.8	-1.20
6.5	-1.24	6.8	-1.26	7.1	-1.30	7.8	-1.21	8.1	-1.09	8.4	-1.15
8.7	-1.95	9.1	-1.88	9.4	-1.74	10.0	-1.80	10.5	-1.75	11.1	-1.80
11.6	-1.85	12.2	-1.55	12.7	-1.56	13.3	-1.73	13.8	-1.66	14.4	-1.47
15.0	-1.45	15.5	-1.55	16.1	-1.60	16.6	-1.43	17.2	-1.09	18.3	-0.95
18.8	-1.01	19.4	-1.14	20.0	-0.03	20.5	-1.02	21.6	-1.16	22.2	-1.04
22.7	-1.39	23.3	-1.50	23.8	-1.30	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE G57102-7

Emiliani et al 1978 (Earth Planet Sci Lett, 41, 159)

89.0N	87.6W	GR									
0.0	-1.98	5.2	-1.90	5.8	-1.91	6.4	-1.86	7.0	-1.61	7.6	-1.28
8.2	-1.58	9.8	-1.27	9.5	-1.53	10.4	-1.35	11.3	-2.53	12.1	-3.46
13.0	-2.98	13.9	-1.99	15.6	-1.04	16.5	-1.91	17.2	-1.21	17.9	-0.01
18.3	-1.07	27.1	-1.01	62.5	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE HU75-41(MB)

Fillon and Duplessy 1980 (Can J Earth Sci, 17, 831) (*)

62.7N	53.9W	MB									
0.0	3.55	2.6	3.20	5.2	3.30	7.8	3.30	10.4	4.10	13.0	4.05
13.6	4.25	14.7	4.85	15.2	5.15	15.8	5.00	16.4	5.20	16.9	5.10
17.5	4.95	18.0	5.15	18.6	5.10	19.1	5.00	19.7	4.70	20.3	5.15
20.8	5.20	21.4	4.75	22.5	4.85	23.1	4.75	23.6	4.90	24.2	4.75
24.7	4.95	25.3	4.95	26.9	5.10	26.4	5.30	27.0	5.45	27.5	5.15
28.1	5.00	28.6	5.20	29.2	5.10	29.8	4.85	30.3	4.75	30.9	5.40
31.4	5.20	32.0	4.60	32.6	4.40	33.1	4.85	33.7	5.20	34.2	5.00
35.4	5.35	35.9	4.75	36.5	4.90	37.0	5.05	37.6	4.85	38.1	4.75
38.7	5.05	39.3	5.20	40.4	4.60	40.9	4.35	43.2	4.90	43.7	4.70
44.3	4.45	45.4	4.90	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE HU75-41(NP)

Fillon and Duplessy 1980 (Can J Earth Sci, 17, 831) (*)

62.7N	53.9W	NP									
0.0	3.15	2.6	2.65	5.2	3.00	7.8	3.00	13.0	4.20	13.6	3.75
14.1	3.80	14.7	3.60	15.2	3.70	15.8	3.90	16.4	4.75	16.9	4.90
17.5	4.80	18.0	4.80	18.6	4.70	19.1	4.80	19.7	4.80	20.3	4.70
20.8	4.90	21.4	4.70	21.9	4.55	22.5	4.80	23.1	4.75	23.6	4.85
24.2	4.60	24.7	4.85	25.9	4.50	26.4	4.45	27.0	4.80	27.5	4.90
28.1	4.50	28.6	4.70	29.2	4.75	30.3	4.30	30.9	4.70	31.4	4.55
32.0	4.70	32.6	3.60	33.1	4.80	33.7	4.40	34.2	4.40	34.8	4.65
35.4	4.70	35.9	4.45	36.5	4.55	37.0	4.55	37.6	4.40	38.1	4.00
39.8	4.25	40.4	4.25	40.9	4.20	41.5	3.80	42.1	3.85	42.6	3.85
43.2	4.45	43.7	4.40	44.3	4.45	44.9	4.55	45.4	4.40	46.0	4.20
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE HU75-42(MB)

Fillon and Duplessy 1980 (Can J Earth Sci, 17, 831) (*)

62.7N	53.9W	MB									
0.0	3.45	13.0	4.95	14.7	5.10	17.1	5.25	20.4	4.65	21.3	4.75
22.1	4.50	22.9	4.60	23.7	4.75	26.2	4.90	27.0	4.65	27.9	4.90

29.5	4.90	32.0	4.70	32.7	4.50	35.3	4.65	38.5	4.80	39.8	4.75
40.5	4.85	41.1	4.75	41.8	4.40	43.8	4.90	45.7	4.65	46.4	4.60
48.3	4.35	56.8	4.40	57.5	4.35	61.4	4.15	65.7	4.55	70.8	4.65
72.5	4.55	74.2	4.40	78.0	4.35	87.0	3.95	9999.9	0.00	9999.9	0.00

CORE HU75-42(NP)

Fillion and Duplessy 1980 (Can J Earth Sci., 17, 631) (*)

62.7N 53.9W NP

0.0	3.40	6.5	4.00	13.0	4.40	13.8	4.50	14.7	4.65	15.5	4.60
16.3	4.65	17.1	4.25	18.0	4.35	18.8	4.70	19.6	4.65	20.4	4.60
21.3	4.25	22.1	4.70	22.9	4.55	23.7	4.40	24.6	4.30	25.4	4.55
26.0	4.50	27.0	4.35	27.9	4.35	28.7	4.05	29.5	4.40	30.3	4.10
31.2	4.10	32.0	4.25	32.7	4.15	33.3	3.60	34.0	4.50	34.6	4.55
35.3	4.00	35.9	4.05	38.5	4.00	39.8	4.15	40.5	4.20	41.1	4.10
42.4	3.30	43.1	4.05	43.8	4.20	44.4	4.05	45.1	4.10	45.7	4.05
47.0	3.75	48.3	4.10	49.6	3.30	50.3	3.35	51.6	3.90	52.8	3.90
52.9	3.75	53.6	4.05	54.2	3.80	54.9	4.20	55.5	4.85	56.2	4.50
56.8	4.45	57.5	3.60	58.1	3.50	58.8	3.25	59.4	3.75	60.1	3.95
60.7	3.25	61.4	3.20	62.0	3.55	62.7	3.55	63.3	3.60	64.8	4.80
65.7	4.30	66.5	4.20	69.1	4.20	69.9	3.90	70.8	3.90	72.5	3.75
75.0	3.60	76.0	3.70	78.0	3.65	79.0	3.70	80.0	3.65	81.0	3.70
82.0	4.00	83.0	4.20	84.0	3.50	85.0	3.25	86.0	3.25	87.0	2.85
88.0	3.10	89.0	3.00	98.0	4.10	93.0	3.75	94.0	3.75	95.0	4.20
96.0	4.10	97.0	4.00	98.0	3.85	99.0	4.10	100.0	4.00	101.0	3.85
105.0	3.70	106.0	3.50	107.0	3.80	111.0	3.40	114.0	3.90	118.0	3.70
120.0	3.50	124.0	3.50	125.0	3.35	126.0	3.60	129.0	3.40	130.0	3.40
131.0	3.55	133.0	3.35	134.0	3.60	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE HU75-58

Andrews et al 1987 (Geo-Mar Lett., 7, 23) (*)

61.8N 63.8W NP

0.0	2.40	1.1	2.70	2.3	2.80	3.4	2.80	4.6	2.90	5.7	2.90
8.0	3.90	10.3	4.00	11.3	3.90	12.2	4.40	13.2	4.40	14.1	4.40
16.1	4.60	17.5	3.50	21.3	4.00	26.2	3.70	9999.9	0.00	9999.9	0.00

CORE HU77-156

Andrews et al 1987 (Geo-Mar Lett., 7, 23) (*)

61.7N 64.2W NP

0.0	2.50	1.1	1.80	1.7	2.40	2.3	1.90	3.4	2.60	4.6	2.70
5.1	2.50	5.7	2.90	6.3	2.60	6.9	2.40	8.0	2.00	9.2	3.00
10.3	1.00	10.8	-1.50	11.3	1.50	11.7	1.80	12.2	2.60	12.7	2.00
13.2	2.10	14.1	1.10	14.6	2.60	15.1	1.80	15.6	2.20	16.1	1.80
16.6	1.50	17.5	-1.40	18.0	2.90	19.6	2.50	21.3	1.10	22.9	1.30
24.5	1.90	26.2	2.10	27.8	1.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE HU88-034-057

Andrews et al 1990 (Paleoceanography, 5, 921) (*)

61.8N 63.8W NP

7.9	2.30	8.1	2.10	8.8	2.50	9.9	1.80	10.5	2.80	10.6	2.50
10.7	3.30	10.7	3.50	10.7	3.50	10.8	3.20	10.8	3.40	10.9	2.50
10.9	2.00	11.2	2.80	11.3	2.90	11.7	3.40	11.8	3.50	12.2	3.60
12.3	3.80	12.6	3.30	12.9	3.30	13.6	2.20	14.2	3.40	14.6	3.20
17.9	2.40	20.4	2.30	21.0	2.10	24.1	1.90	25.3	2.00	9999.9	0.00

CORE HU84-030-003P

de Vernal and Hillaire-Marcel 1987 (Can J Earth Sci., 24, 1686)

53.3N 45.3W NP

75.0	3.84	76.2	3.55	78.2	2.58	80.5	2.46	83.1	3.08	85.4	2.81
87.7	2.73	90.0	2.87	92.1	3.49	94.3	2.78	96.4	3.03	98.5	2.95
102.8	3.12	104.9	2.92	107.0	3.17	109.1	3.70	110.8	2.68	113.0	3.22

114.8	2.77	115.9	2.90	117.6	2.95	119.3	2.85	120.4	2.53	121.7	1.72
123.0	2.37	124.8	1.59	125.8	1.91	127.0	1.67	128.5	3.33	130.2	3.40
131.7	4.76	136.8	4.56	138.9	4.76	141.0	4.23	143.2	3.68	145.3	4.83
147.4	4.83	149.5	3.68	151.7	3.57	153.8	4.03	155.3	2.78	155.9	3.65
157.4	3.57	158.7	3.84	159.7	2.69	160.8	3.23	162.1	3.00	164.2	3.01
168.5	3.97	170.8	2.87	172.9	3.73	175.1	3.86	177.2	3.58	178.7	4.45
180.2	3.05	181.4	3.00	183.1	2.46	184.8	2.85	186.5	2.87	188.0	3.00
189.9	3.33	191.9	2.21	193.6	1.95	195.0	1.94	196.5	2.07	198.0	3.60
199.5	3.15	201.6	2.56	203.1	3.00	204.4	2.31	205.7	2.34	207.0	2.32
208.4	1.91	209.9	2.47	211.2	2.62	212.5	3.52	214.2	4.19	215.9	3.80
217.6	2.81	219.7	3.06	221.4	3.31	222.7	3.28	224.6	3.72	226.1	3.81
228.0	3.82	230.1	2.10	234.4	4.12	236.5	4.30	238.6	3.35	240.8	3.42
242.9	3.47	243.7	3.25	247.1	3.75	250.3	3.60	252.7	3.12	255.0	3.68
257.1	4.27	260.8	2.96	267.3	3.87	271.0	3.24	275.2	2.96	9999.9	0.00

CORE HU84-030-003TWC

de Vernal and Hillaire-Marcel 1987 (Can J Earth Sci, 24, 1886)

53.3N 45.3W NP

0.0	2.09	2.2	2.15	4.9	2.19	7.6	2.20	10.3	2.67	13.0	2.80
14.3	3.19	15.7	3.15	16.5	3.20	17.6	3.83	18.7	4.32	19.8	4.14
21.0	4.19	22.3	4.14	23.6	3.84	24.7	3.68	26.3	4.26	27.4	4.25
28.5	4.02	29.6	4.13	30.7	3.94	32.0	3.86	33.1	3.57	34.2	3.69
36.2	3.68	37.3	3.82	38.4	3.27	39.5	3.47	40.6	3.67	41.7	3.88
42.8	3.81	43.9	3.75	45.0	3.77	46.1	3.53	47.2	3.43	48.3	3.46
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE HU84-030-021

de Vernal and Hillaire-Marcel 1987 (Geogr phys Quat, 41, 265) (*)

58.4N 57.5W NP

-3	2.10	.7	2.40	1.0	2.40	1.4	3.00	2.4	2.60	3.1	2.90
3.5	2.80	4.4	3.00	5.6	2.40	6.9	2.70	7.5	2.50	8.1	2.75
8.7	3.00	9.3	2.65	10.6	3.30	11.5	3.50	12.9	3.80	13.1	3.90
13.4	3.80	14.0	4.10	14.8	3.90	14.5	3.30	14.8	4.00	15.1	2.60
15.3	2.60	15.6	3.10	15.9	3.80	16.2	3.00	16.4	2.60	16.7	2.90
17.0	3.60	17.3	3.90	17.8	3.40	18.6	3.38	19.5	3.30	20.6	3.80
21.4	3.90	22.2	4.00	23.3	3.30	24.1	3.60	25.0	3.60	9999.9	0.00

CORE HU84-035-008

Andrews et al 1990 (Paleoceanography, 5, 921) (*)

61.6N 63.8W NP

0.0	2.90	9.1	2.80	9.2	3.00	9.4	2.60	9.5	2.80	9.7	2.60
9.8	2.80	9.9	2.70	10.1	2.80	10.2	2.90	10.2	2.80	10.4	2.80
10.5	2.80	10.5	2.70	10.6	2.60	10.6	2.50	10.7	2.60	10.7	4.20
10.7	2.70	10.8	3.00	10.8	2.90	10.8	3.00	10.9	3.10	10.9	3.00
11.0	3.00	11.1	2.90	11.2	2.90	11.3	3.50	15.0	3.70	20.0	3.60
25.1	3.60	29.6	3.80	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE INMD-97

Berger et al 1985 (Quat Res, 23, 258)

16.7N 46.1W GR

0.0	-1.50	1.1	-1.63	2.3	-1.88	3.4	-1.92	4.5	-1.62	5.6	-1.71
6.8	-1.83	7.9	-1.47	9.0	-1.39	10.1	-1.70	11.3	-1.25	12.4	-1.25
13.5	-1.81	14.6	-1.27	15.8	-1.45	16.9	-1.65	18.0	-1.60	19.1	-1.42
9999.9	0.00	5999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE INMD-101

Berger et al 1985 (Quat Res, 23, 258)

7.0N 26.5W GR

0.0	-1.58	1.1	-1.53	2.3	-1.73	3.4	-1.55	4.5	-1.41	5.7	-1.49
6.8	-1.57	7.9	-1.25	9.1	-1.07	10.2	-1.26	11.3	-1.63	12.5	-1.94

13.6	-.78	14.7	-.48	15.9	-.25	17.0	-.58	18.1	-.38	19.3	-.82
20.4	-.88	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE INMD-104

Berger et al 1985 (Quat Res, 23, 258)

4.3N 21.9W GR

0.0	-1.67	1.3	-2.45	2.6	-1.85	3.9	-1.75	5.2	-2.01	6.5	+1.83
7.8	-1.68	9.1	-1.41	10.4	-1.16	11.7	-1.26	13.0	-.78	14.3	-1.51
15.5	-.57	16.8	-.01	18.1	-.19	19.4	-.32	20.7	-.85	22.0	-.20
23.3	-.63	24.6	-.24	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE INMD-109

Berger et al 1985 (Quat Res, 23, 258)

5.5S 16.0W GR

0.0	-1.82	.8	-1.03	1.5	-1.84	2.3	-1.79	3.0	-1.66	3.8	-1.87
4.6	-1.76	5.3	-1.82	6.1	-1.56	6.8	-1.61	7.6	-1.60	8.3	-1.40
9.1	-1.34	9.9	-1.01	10.6	-1.12	11.4	-.96	12.1	-.65	12.9	-1.05
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE INMD-110

Berger et al 1985 (Quat Res, 23, 258)

10.0S 13.4W GR

0.0	-1.84	.7	-1.87	1.3	-1.32	2.0	-1.15	2.7	-1.10	3.3	-1.16
4.0	-1.21	4.7	-1.19	5.3	-1.28	6.0	-1.19	6.7	-1.64	7.3	-1.29
8.0	-1.56	8.7	-.93	9.3	-1.20	10.0	-.82	10.7	-.65	11.3	-.56
12.0	-.70	12.7	-.11	13.3	-.25	14.0	.08	14.7	-.13	15.3	.04
16.0	-.03	16.7	.03	17.3	.20	18.0	-.01	18.7	.05	19.3	.15
20.0	-.15	20.7	-.01	21.3	-.06	22.0	.12	22.7	.26	9999.9	0.00

CORE INMD-111

Berger et al 1985 (Quat Res, 23, 258)

12.7S 13.9W GR

0.0	-1.15	.8	-1.20	1.6	-1.11	2.3	-1.02	3.1	-1.01	3.9	-.78
4.7	-.88	5.5	-1.11	6.3	-1.07	7.1	-1.01	7.8	-.71	8.6	-.79
9.4	-.76	10.2	-.64	11.0	-.24	11.8	-.43	12.5	-.36	13.3	-.30
14.1	-.32	14.9	-.46	15.7	-.37	16.5	-.07	17.2	-.35	18.0	-.01
18.8	-.09	19.6	.24	20.4	.41	21.1	.34	21.9	.24	22.7	.35
23.5	.38	24.3	.51	25.1	.89	25.8	.83	26.6	.84	27.4	.86
28.2	.46	29.0	-.08	29.8	.16	30.5	.11	9999.9	0.00	9999.9	0.00

CORE INMD-113

Berger et al 1985 (Quat Res, 23, 258)

15.3S 15.0W GR

0.0	-1.14	.8	-.92	1.6	-1.04	2.3	-1.52	3.1	-1.34	3.9	-.99
4.7	-.76	5.5	-.76	6.2	-.45	7.0	-.41	7.8	-.08	8.6	-.44
9.4	-.71	10.1	-.60	10.9	-.01	11.7	-.05	12.5	-.06	13.3	-.16
14.0	-.13	14.8	-.24	15.6	-.21	16.4	-.07	17.2	-.25	17.9	-.12
18.7	.38	19.5	.35	20.3	.23	21.1	.21	21.9	.36	22.6	.21
23.4	.87	24.2	.88	25.0	.08	25.7	.56	26.5	.19	27.3	.06
28.1	-.03	28.9	.07	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE INMD-115(CW)

Berger and Vincent 1986 (Nature, 324, 53)

17.6S 16.2W CW

0.0	2.45	.8	2.86	1.6	2.56	2.4	2.51	3.2	2.77	4.0	2.80
4.8	2.92	5.6	2.67	6.4	2.50	7.2	3.04	8.0	2.89	8.8	2.77
9.6	2.90	10.4	3.03	11.2	3.24	12.0	3.53	12.8	3.56	13.6	4.00
14.4	4.10	15.2	3.73	16.0	4.11	16.8	3.88	17.6	4.19	18.4	7.65
19.2	4.46	20.0	4.39	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE INMD-115(GR)

Berger et al 1985 (Quat Res, 23, 258)

17.6S 16.2W GR

0.0	-1.32	.8	-1.20	1.6	-1.07	2.4	-1.25	3.6	-1.10	4.0	-1.18
4.8	-1.09	5.6	-1.09	6.4	-1.15	7.2	-1.65	8.0	-1.61	8.8	-1.18
9.6	-.44	10.4	-.75	11.8	-.04	12.0	-.44	12.8	-.87	13.6	-.47
14.4	-.19	15.2	-.13	16.0	-.04	16.8	-.18	17.6	-.06	18.4	.08
19.2	.03	20.0	.28	20.8	.10	21.6	.19	22.4	.10	23.2	.01
24.0	-.07	24.8	-.04	25.6	.02	26.4	.27	27.2	.26	28.0	.23
28.8	.03	29.6	.14	30.4	.13	31.2	-.04	9999.9	0.00	9999.9	0.00

CORE INMD-115(OU)

Berger and Vincent 1986 (Nature, 324, 53)

17.6S 16.2W OU

0.0	2.81	.8	3.17	1.6	3.60	2.4	3.22	3.6	3.07	4.0	3.78
4.8	3.05	6.4	2.83	8.0	3.29	8.8	3.52	11.2	3.89	13.6	4.97
14.4	4.25	15.2	4.85	16.0	4.63	16.8	4.40	17.6	4.39	16.4	4.47
19.2	4.93	20.0	4.56	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE K-97

Kennett and Shackleton 1975 (Science, 188, 147) (*)

25.5N 93.0W GS

0.0	-.70	.6	-.85	1.1	-1.00	1.3	-.95	1.7	-1.85	2.0	-.15
2.2	-1.40	2.8	-.85	3.3	-1.85	4.1	-1.40	4.4	-.90	4.8	-.35
5.2	-1.00	5.6	-1.55	5.9	-.85	6.3	-1.40	7.0	-1.35	7.4	-1.15
7.6	-1.25	8.0	-1.40	8.1	-.95	8.5	-.85	8.9	-1.40	9.3	-.95
9.6	-1.05	10.0	-1.15	10.4	-.70	10.7	-.95	11.1	-.85	11.5	-.55
11.9	-.40	12.2	-1.50	12.6	-2.10	13.0	-2.05	13.3	-2.30	13.7	-2.60
14.1	-2.20	14.4	-1.35	15.6	-1.15	16.7	-.65	17.4	-.45	18.1	-.40
18.9	-.50	19.6	-.90	20.4	-.75	21.1	0.00	21.9	-.15	23.3	-.05
24.1	-.20	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE K-120

Kennett and Shackleton 1975 (Science, 188, 147) (*)

23.5N 97.0W GS

2.9	-1.25	3.6	-1.05	5.7	-1.50	8.6	-.85	11.4	-2.10	11.7	-1.80
12.9	-.40	14.3	-.85	17.1	-.80	20.0	-.85	22.9	-.50	28.6	-.85
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE K-139

Kennett and Shackleton 1975 (Science, 188, 147) (*)

21.0N 93.0W GS

0.0	-1.40	1.1	-1.30	2.2	-.90	3.3	-1.05	5.6	-1.00	7.8	-.65
10.0	-1.20	12.2	-.80	14.4	-.55	16.7	-1.90	18.9	-2.05	21.1	-.50
27.8	-.80	30.0	.20	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE K708-7

Thierstein et al 1977 (Geology, 5, 400) (*)

53.9N 24.1W GP

0.0	2.10	9.2	2.85	18.5	4.40	27.7	4.80	32.3	4.25	41.6	3.70
46.2	3.80	50.8	3.65	55.4	3.60	60.1	3.90	64.7	3.70	73.9	3.75
78.6	3.40	83.2	3.30	87.8	3.95	97.0	3.80	101.7	3.25	110.9	3.10
115.5	3.10	120.1	3.35	124.8	2.70	129.4	1.25	134.0	1.80	143.2	1.65
147.9	3.90	157.1	4.30	161.7	4.20	166.3	3.70	171.0	4.00	175.6	4.05
180.2	4.00	184.6	3.85	198.7	4.05	203.3	4.30	207.9	4.05	212.6	3.05
217.2	2.90	221.8	1.70	226.4	2.35	231.0	4.10	240.3	3.30	244.9	2.55
249.5	3.80	254.1	3.95	258.8	3.65	263.4	3.55	268.0	3.60	272.6	3.30
277.2	3.25	281.9	3.40	286.5	3.95	291.1	3.85	295.7	3.70	300.3	3.50
305.0	3.80	309.6	3.00	314.8	3.50	318.8	3.80	323.4	2.65	328.1	3.20
332.7	1.20	346.6	4.05	351.2	3.80	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE KN110-82GCC(MB)

Broecker et al 1988 (Paleoceanography, 3, 509) (*)

0.0N	20.0W	MB											
1.2	2.43	4.1	2.65	5.8	2.75	7.6	2.92	9.9	3.27	11.6	3.65		
12.9	3.87	14.2	3.89	15.0	4.14	15.5	4.04	16.2	4.25	16.7	4.20		
17.2	4.18	17.7	4.07	18.2	4.16	18.6	4.23	19.1	4.27	19.6	4.39		
20.5	4.38	21.0	4.13	21.4	4.22	9999.9	0.00	9999.9	0.00	9999.9	0.00		

CORE KN110-82GCC(MP)

Broecker et al 1988 (Paleoceanography, 3, 509) (*)

0.0N	20.0W	MP											
.6	-2.05	4.1	-2.00	5.8	-2.80	7.6	-1.40	9.9	-1.05	11.6	-1.80		
12.9	-1.63	14.2	-1.17	15.0	-1.85	15.5	-1.10	16.2	-1.33	16.7	-1.15		
17.2	-1.25	17.7	-1.18	18.2	-1.82	18.6	-1.05	19.1	-1.35	19.6	-1.10		
20.0	-1.05	20.5	-1.18	21.0	-1.05	21.4	-1.15	9999.9	0.00	9999.9	0.00		

CORE KNR31-GPC5

Keigwin et al 1984 (Quat Res, 22, 383) (*)

33.7N	57.6W	GI											
0.0	.50	1.6	.60	3.2	.70	4.8	.60	5.1	.60	5.4	.80		
5.7	.40	6.0	.55	6.3	.50	6.6	.40	7.1	.60	8.8	.60		
8.8	.70	9.3	.70	9.8	.65	10.4	.60	10.9	.90	11.5	.85		
12.0	1.60	12.3	1.75	13.0	1.30	13.3	1.50	13.6	1.40	13.9	1.20		
14.3	1.35	14.6	1.80	14.9	1.70	15.8	1.95	15.4	2.00	15.7	1.65		
16.0	1.60	16.2	1.95	16.5	1.00	16.8	1.15	17.0	1.80	17.3	1.80		
17.5	1.75	17.8	1.85	18.1	2.05	18.3	2.35	18.6	2.20	18.9	2.20		
19.1	2.10	19.4	2.25	19.7	2.20	19.9	2.50	20.2	2.10	20.4	1.90		
20.7	1.95	21.5	2.05	21.8	1.90	22.0	1.80	22.6	1.90	22.8	2.00		
23.1	2.10	23.4	1.60	23.6	1.80	23.9	1.60	24.1	2.00	24.4	1.80		
24.7	2.00	24.9	1.95	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00		

CORE KNR64-5-SPC

Boyle and Keigwin 1987 (Nature, 330, 35)

16.5N	74.8W	CW											
3.7	2.17	4.3	2.41	4.8	2.54	5.8	2.19	6.4	2.05	6.9	2.24		
8.0	2.11	9.4	2.73	11.3	2.87	13.1	3.07	14.0	2.75	14.6	3.38		
15.5	3.34	16.1	3.27	16.7	3.16	17.6	3.10	18.0	3.50	18.4	3.44		
19.3	3.10	19.7	3.21	20.1	3.28	20.5	3.06	20.9	3.30	21.4	3.10		
21.8	3.23	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00		

CORE KNR73-4-3PC

Boyle and Keigwin 1985 (Earth Planet Sci Lett, 76, 135) (*)

.4S	106.2W	CW											
1.3	2.60	2.6	2.50	3.9	2.35	5.1	2.60	6.4	2.70	7.7	2.80		
9.0	2.55	10.3	3.15	11.6	3.00	12.9	3.25	14.1	3.15	15.4	3.40		
16.7	3.85	18.0	4.00	20.2	3.80	22.4	3.60	24.7	3.70	26.9	3.85		
29.1	4.00	31.3	3.80	33.6	3.55	35.8	3.70	38.0	3.55	40.2	3.65		
42.5	3.85	44.7	3.40	46.9	3.55	49.1	3.75	51.4	3.15	53.6	3.60		
55.8	3.00	58.0	3.55	60.3	3.05	62.5	3.70	64.7	3.20	66.9	3.60		
69.2	3.20	71.4	3.60	73.6	3.40	75.8	3.70	78.1	2.70	80.3	3.20		
82.5	2.95	84.7	3.25	87.0	3.05	89.8	3.15	91.4	3.30	93.6	3.40		
95.9	3.60	98.1	3.05	100.3	3.25	102.5	3.45	104.8	2.90	107.0	3.35		
109.2	2.55	111.4	2.45	113.7	2.65	115.3	2.55	118.1	2.45	120.3	2.35		
122.6	2.70	127.0	3.00	129.2	3.20	131.4	3.35	133.7	3.50	135.9	3.75		
132.1	3.65	142.6	3.60	144.8	3.15	147.0	3.60	149.2	3.75	151.5	3.65		
153.7	3.50	155.9	3.60	158.1	3.75	160.4	3.55	162.6	3.15	164.8	3.40		
167.0	3.00	169.3	3.30	171.5	3.05	173.7	3.65	175.9	3.60	178.2	3.50		
180.4	3.15	182.6	3.80	184.8	3.40	187.1	4.10	189.3	3.50	191.5	3.70		
193.7	3.80	196.0	3.50	198.2	2.65	200.4	3.75	202.6	2.65	204.9	3.75		

207.1	2.70	209.3	2.90	211.5	2.60	213.8	2.70	215.0	2.55	218.2	2.80
220.4	3.15	222.7	3.35	224.9	3.70	227.1	3.15	229.3	3.05	231.5	3.50
233.8	3.20	236.0	2.95	238.2	2.85	240.4	2.75	242.7	3.00	244.9	3.10
247.1	3.45	249.3	3.60	251.6	3.75	253.8	3.80	256.0	3.55	258.2	3.70
260.5	3.45	262.7	3.70	264.9	3.40	267.1	3.60	269.4	3.50	273.8	2.85
276.0	3.05	278.3	3.00	280.5	3.03	282.7	2.90	284.9	3.23	289.4	2.65
293.8	3.25	298.3	3.03	300.5	3.00	302.7	2.90	305.0	2.70	307.2	2.55
309.4	2.75	313.9	2.80	316.1	2.50	318.3	2.45	320.5	2.90	322.8	4.15
325.0	3.65	327.2	3.55	329.4	3.98	331.7	3.85	333.9	3.75	336.1	3.80
338.3	3.50	340.6	3.25	342.8	3.30	347.0	3.45	351.7	3.05	356.1	2.90
360.6	3.15	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE K5-09

Duplessy 1978 (In Climate Change, 46) (*)

37.0N 0.0E ??

0.0	.50	7.1	-.40	14.8	.50	21.3	1.50	28.3	1.10	42.5	.90
56.7	1.20	70.8	.70	77.9	.80	92.1	1.40	99.2	.40	106.3	-.60
113.3	1.10	120.4	.30	127.5	.80	134.6	-1.30	141.7	-.50	148.8	.70
155.6	.60	170.0	.10	188.2	.50	197.3	1.80	206.4	-.10	215.5	-.30
224.5	.50	233.6	-.60	242.7	.50	251.8	-1.10	260.9	.20	277.1	.90
284.3	.95	291.4	.25	298.6	1.00	305.7	.30	312.9	.50	320.0	1.30
327.1	-.50	334.3	-.10	341.4	-.60	348.6	-.30	355.7	.90	370.0	1.20
376.9	-.40	383.8	.50	390.8	1.40	397.7	.50	404.6	.15	411.5	.70
418.5	.60	425.4	-.50	439.2	-.40	446.2	.50	453.1	.70	460.0	.35
466.7	.30	473.3	.40	480.0	.05	486.7	.20	493.3	1.00	500.0	.70
506.7	-.20	513.3	.50	520.0	.55	526.0	.10	532.0	.50	538.0	.10
544.0	.05	550.0	-1.20	556.0	.80	562.0	-.60	568.0	1.00	574.0	.10
580.0	0.00	586.0	.45	592.0	-.20	598.0	-.60	604.0	.30	610.0	.90
622.0	.50	634.0	1.30	652.0	1.10	658.0	.70	670.0	1.50	9999.9	0.00

CORE LYII-13A

Zahn et al 1987 (Paleoceanography, 2, 543) (*)

36.0N 7.8W MB

6.6	2.40	8.8	2.20	11.0	2.50	13.2	2.95	15.4	3.35	17.6	4.20
19.8	4.00	21.9	3.55	24.1	3.75	30.7	3.50	32.9	3.70	35.1	3.80
39.5	3.80	41.7	3.40	43.9	3.65	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE M-111944

Zahn et al 1987 (Paleoceanography, 2, 543) (*)

35.7N 8.1W MB

0.0	2.85	1.8	3.00	3.5	3.05	5.3	3.20	7.0	3.35	8.0	3.50
10.5	3.20	12.3	3.80	14.0	4.65	15.8	4.65	17.5	4.55	19.3	4.50
21.0	4.50	22.8	4.40	24.5	4.40	28.0	4.25	29.8	4.35	31.5	4.35
33.3	4.35	35.0	4.35	36.8	4.45	38.5	4.30	40.3	4.30	42.0	4.30
43.8	4.05	45.5	4.40	47.3	4.30	49.0	4.00	50.8	4.00	52.5	4.00
54.3	4.05	56.0	3.90	57.8	4.45	59.5	4.55	61.3	4.50	63.0	3.95
68.3	3.90	70.0	4.00	73.5	3.85	75.3	3.80	78.8	3.50	80.5	3.50
82.3	3.50	87.5	3.95	91.0	3.50	94.5	3.65	99.0	3.75	105.0	3.50
106.8	3.75	108.5	3.55	110.3	3.80	112.0	3.90	9999.9	0.00	9999.9	0.00

CORE M-12379

Zahn et al 1987 (Paleoceanography, 2, 543) (*)

33.1N 17.7W MB

7.8	3.80	8.1	3.05	9.0	3.30	9.9	3.20	16.2	4.50	17.1	4.90
18.0	4.75	18.9	5.30	19.8	4.95	20.7	5.00	21.6	5.75	22.6	4.75
23.4	5.15	24.3	4.90	25.2	4.60	26.1	4.70	27.0	4.80	9999.9	0.00

CORE M-12392(CW)

Zahn et al 1986 (Paleoceanography, 1, 27)

25.2N 16.8W CW

0.0	2.66	.4	2.52	1.0	2.80	1.3	2.00	1.8	2.16	2.1	2.53
2.0	2.51	3.6	2.61	4.6	2.73	6.1	3.09	7.6	3.54	8.3	3.31
9.1	3.33	10.6	3.67	11.3	3.75	16.0	3.62	13.5	3.82	15.0	4.47
16.5	4.50	16.0	4.45	19.5	4.36	21.0	4.51	22.1	4.48	22.6	4.09
24.1	4.36	25.6	4.38	27.1	4.36	28.6	4.28	30.1	4.13	30.5	4.37
31.7	4.13	32.9	4.31	34.7	4.25	35.2	4.18	37.7	3.98	39.3	4.06
40.0	4.01	42.3	4.23	42.4	4.23	43.8	4.03	45.3	4.00	46.8	3.84
48.4	3.79	48.5	4.11	49.9	3.85	51.4	4.04	52.9	3.99	54.1	3.73
56.3	3.85	57.9	3.90	58.5	3.89	59.4	3.94	61.0	3.89	61.6	3.97
62.5	3.67	64.0	3.80	64.9	3.82	66.1	3.73	66.6	4.04	69.0	3.81
70.1	3.73	71.6	3.44	72.8	3.66	73.1	3.79	74.6	3.69	75.8	3.76
77.7	4.09	79.2	4.14	80.7	4.12	82.8	4.13	83.4	3.93	83.7	3.93
86.8	3.70	87.5	3.60	88.3	3.61	91.3	3.54	92.8	3.47	94.4	3.18
95.9	3.10	96.5	3.10	97.4	3.11	98.9	3.49	100.4	3.66	102.0	3.45
103.5	3.30	105.0	3.16	106.5	3.07	108.0	3.19	109.5	3.36	111.1	3.33
112.6	3.31	114.1	3.56	115.6	3.48	116.4	3.83	117.1	3.08	118.0	3.28
118.7	2.83	120.2	2.65	121.4	2.33	121.7	2.79	123.2	2.50	124.7	2.43
126.8	2.40	127.0	2.94	127.6	3.24	129.6	3.72	130.8	3.88	132.6	4.38
133.8	4.44	135.0	4.40	136.9	4.36	138.4	4.48	139.6	4.46	141.4	4.41
142.9	4.43	144.3	4.24	145.5	4.21	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE M-12392(UH)

Zahn et al 1986 (Paleoceanography, 1, 27)

25.2N 16.8W UH

0.0	3.25	.4	2.97	1.0	3.34	2.8	3.19	3.6	3.40	4.6	3.23
7.6	4.29	8.3	4.10	10.6	4.43	11.3	4.61	12.0	4.58	13.5	4.67
16.5	5.19	18.0	5.30	19.5	5.13	21.0	5.13	24.1	4.80	25.6	5.07
27.1	4.95	28.6	4.93	30.1	5.18	30.3	4.90	31.7	4.78	32.9	5.06
33.2	5.05	34.7	4.72	36.2	4.59	37.7	4.78	39.3	4.76	40.8	4.81
42.3	4.84	42.4	4.51	43.8	4.73	45.2	4.60	46.9	4.62	48.4	4.66
48.5	4.84	49.9	4.66	51.4	4.51	52.9	4.51	54.1	4.39	56.3	4.43
58.5	4.63	59.4	4.51	61.6	4.43	62.3	4.49	62.5	4.54	63.5	4.63
66.1	4.72	69.0	4.58	72.2	4.36	72.3	4.57	75.2	4.31	77.7	4.76
79.2	4.66	80.7	4.75	82.8	4.67	83.4	4.57	83.7	4.82	85.2	4.55
86.8	4.47	87.5	4.51	88.3	4.60	89.7	4.30	90.0	4.43	91.3	4.37
92.8	4.00	97.4	4.18	98.9	4.23	102.5	3.94	105.0	3.90	106.5	3.93
108.0	3.98	109.5	3.91	112.6	3.97	114.1	4.35	116.4	3.67	117.1	4.04
118.0	3.88	118.7	3.82	120.8	3.75	121.4	3.20	123.2	3.11	124.7	3.17
126.8	3.20	127.0	4.58	127.8	4.12	129.6	4.54	130.8	4.52	132.6	4.69
133.8	4.94	135.3	4.88	136.9	4.95	138.4	4.89	139.6	4.92	141.4	5.11
143.5	5.08	145.5	4.96	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE M-13519(CW)

Zahn et al 1986 (Paleoceanography, 1, 27)

5.7N 19.9W CW

.7	2.67	2.0	2.78	3.3	2.68	4.7	2.82	2.7	2.62	6.0	2.65
6.7	2.77	7.3	2.79	8.7	2.64	10.0	2.93	11.3	2.01	12.0	2.43
12.7	3.52	14.0	4.30	14.7	4.38	15.3	4.47	16.7	4.61	19.0	4.61
18.7	4.51	19.5	4.59	20.9	4.58	21.7	4.58	22.4	4.39	23.1	4.36
25.3	4.37	26.8	4.29	29.7	4.21	30.4	4.28	31.9	4.22	36.3	4.21
37.0	3.98	39.8	4.09	43.6	4.06	44.3	4.11	47.3	4.09	49.5	4.15
50.9	4.06	51.7	3.70	53.8	4.01	56.8	3.97	59.0	3.88	60.4	4.06
61.9	4.07	64.1	4.11	67.0	4.12	68.5	3.82	70.7	3.74	72.9	3.76
73.6	3.62	76.5	3.63	79.4	3.46	80.2	3.43	80.9	3.45	83.8	3.53
86.8	3.65	88.2	3.69	89.7	3.69	91.8	3.41	94.1	3.39	96.0	3.35
97.7	3.37	102.1	3.33	102.9	3.34	105.8	3.50	110.8	3.17	110.9	3.08
112.4	3.14	116.0	2.98	117.5	3.17	119.7	2.73	123.3	2.94	126.3	2.96
127.0	3.83	130.7	4.17	132.1	4.36	134.3	4.06	138.0	4.49	140.8	4.35
141.6	4.49	146.8	4.46	154.1	4.33	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE M-13519 (UH)

Zahn et al 1986 (Paleoceanography, 1, 27)

5.7N 19.9W UH

12.0	4.08	14.0	4.45	15.3	4.64	20.9	5.04	22.4	4.96	25.3	4.83
30.4	5.09	31.9	4.90	40.7	4.55	43.6	4.58	50.9	4.49	53.8	4.52
58.2	4.29	60.4	4.37	67.0	4.61	72.9	3.92	76.5	4.47	80.9	4.59
86.8	4.42	89.7	4.24	102.1	3.80	105.8	3.80	110.9	3.70	112.4	3.63
116.0	3.73	123.3	3.86	127.0	4.07	130.7	4.82	134.3	4.84	138.0	4.80
141.6	4.99	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE M-15627

Zahn et al 1987 (Paleoceanography, 2, 543) (*)

29.8N 18.1W MB

15.5	4.30	17.3	4.30	20.7	4.10	22.4	4.10	27.6	3.90	31.1	4.15
34.5	3.90	36.2	3.85	38.0	3.90	44.9	3.70	50.0	3.60	53.5	3.60
58.7	3.90	60.4	3.90	65.6	3.85	69.0	3.40	75.9	3.10	79.4	8.90
82.8	3.80	86.3	3.30	93.2	3.85	98.3	3.10	103.5	3.45	105.2	7.55
108.7	3.05	110.4	3.15	113.9	2.60	117.3	2.70	124.2	2.60	127.7	4.35
131.1	4.20	138.0	3.95	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE M-15663

Zahn et al 1987 (Paleoceanography, 2, 543) (*)

34.9N 6.8W MB

3.0	2.10	6.0	2.10	9.0	2.30	12.0	3.10	15.0	2.80	18.0	3.30
21.0	3.50	24.0	3.70	27.0	3.80	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE M-15666(CW)

Zahn et al 1987 (Paleoceanography, 2, 543) (*)

35.0N 7.1W CW

2.2	2.50	6.5	2.70	9.7	2.75	13.0	3.05	15.2	2.70	19.5	3.00
21.7	3.05	26.0	3.05	30.3	2.75	34.7	2.60	43.3	2.85	52.0	2.70
60.7	2.50	73.7	2.30	86.7	2.20	99.7	2.00	112.7	2.05	119.2	2.30
121.3	1.90	127.8	2.30	132.2	1.65	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE M-15666(PA)

Zahn et al 1987 (Paleoceanography, 2, 543) (*)

35.0N 7.1W PA

0.0	1.55	2.2	1.65	4.3	1.75	6.5	1.90	8.7	2.05	10.6	2.35
13.0	2.85	17.3	2.70	21.7	2.95	26.0	3.00	30.3	2.60	34.7	2.60
52.0	2.60	60.7	2.35	86.7	2.00	99.7	1.70	112.7	1.45	117.0	1.05
121.3	1.95	123.5	2.10	125.7	2.35	127.8	2.45	130.0	2.60	132.2	2.75
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE M-15666(UG)

Zahn et al 1987 (Paleoceanography, 2, 543) (*)

35.0N 7.1W UG

0.0	2.00	2.2	2.30	4.3	2.10	6.5	2.00	8.7	2.00	10.6	1.80
13.0	2.30	15.8	2.90	17.3	3.40	19.5	3.60	21.7	3.30	26.0	3.60
30.3	3.50	34.7	3.45	43.3	3.50	45.6	3.75	47.7	3.55	56.3	3.30
65.0	3.40	78.0	2.80	91.0	2.60	99.7	2.80	117.0	2.40	119.2	2.00
121.3	1.50	123.5	2.30	125.7	2.40	127.8	2.50	130.0	3.60	132.2	3.75
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE M-15669

Zahn et al 1987 (Paleoceanography, 2, 543) (*)

34.9N 7.8W MB

2.0	3.10	3.9	3.10	6.9	3.20	9.8	3.30	11.9	3.60	12.7	4.40
13.7	4.10	15.7	4.95	16.7	4.60	17.6	4.55	18.6	4.90	19.6	5.00
20.6	4.90	21.6	4.80	22.5	4.70	23.5	4.60	24.5	4.30	25.5	4.70
26.5	4.65	27.4	4.60	28.4	4.35	29.4	4.50	30.4	4.50	31.4	4.45

38.3	4.45	33.3	4.40	35.3	4.10	36.3	4.05	38.8	4.60	39.2	4.40
41.8	3.75	43.1	4.15	45.1	4.40	47.0	4.25	49.0	3.80	51.0	4.15
52.9	3.90	54.9	4.20	56.3	4.15	58.8	4.65	60.8	4.65	64.7	4.10
66.6	3.60	70.6	3.90	74.5	3.65	76.4	3.50	78.4	3.70	80.4	3.65
82.3	3.60	84.3	3.50	88.8	3.10	92.1	3.90	94.1	3.95	98.0	3.70
100.0	3.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE M-15670

Zahn et al 1987 (Paleoceanography, 2, 543) (*)

34.9N	7.6W	MB									
8.5	2.80	11.0	3.10	13.4	3.40	15.9	4.50	18.3	4.55	20.7	4.45
24.4	4.05	26.8	4.30	29.3	4.65	31.7	4.20	34.2	4.20	36.6	4.10
39.0	4.00	41.5	4.05	43.9	3.85	46.4	3.25	48.8	3.65	51.2	3.35
56.1	3.55	58.6	3.55	61.0	3.50	63.4	3.80	65.9	3.75	68.2	3.40
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE M-15672

Zahn et al 1987 (Paleoceanography, 2, 543) (*)

34.9N	8.1W	MB									
6.8	3.20	8.0	3.10	9.1	3.40	10.2	3.80	11.4	3.70	12.5	3.95
13.6	4.40	15.9	5.05	17.0	5.15	18.2	5.10	19.3	5.00	20.5	5.05
21.6	5.00	22.7	4.90	27.3	4.50	31.8	4.55	36.4	4.55	40.9	4.25
43.2	4.50	45.5	4.50	47.7	4.55	50.0	4.35	52.3	4.40	54.5	4.45
56.8	4.35	59.1	4.55	61.4	4.30	63.6	3.90	65.9	4.55	68.2	4.30
70.5	3.75	72.7	4.25	75.0	4.25	77.3	4.05	79.5	3.80	81.8	3.75
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE M-16004

Zahn et al 1987 (Paleoceanography, 2, 543) (*)

30.0N	10.6W	MB									
0.0	2.75	1.3	2.70	5.0	2.90	6.3	2.95	7.5	2.80	8.8	2.60
12.5	4.30	13.8	4.50	15.0	4.40	16.3	4.65	17.5	4.70	18.8	4.50
20.0	4.70	21.3	4.60	22.5	4.40	23.8	4.20	25.0	4.40	27.5	4.20
32.5	4.30	35.0	4.05	37.5	4.30	40.0	4.00	42.5	4.20	47.5	3.95
50.0	4.00	52.5	3.95	55.0	4.00	57.5	4.10	60.0	4.40	68.5	4.30
65.0	4.25	70.0	3.80	75.0	3.85	77.5	3.50	82.5	3.40	87.5	3.50
72.5	3.60	97.5	3.35	100.0	2.85	102.5	3.35	105.0	3.85	107.5	3.55
110.0	3.80	115.0	3.30	117.5	2.75	120.0	2.80	122.5	3.00	123.0	3.20
125.0	2.95	187.5	4.55	130.0	4.75	132.5	4.90	135.0	4.50	137.5	4.20
140.0	4.25	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE M-16006(CW)

Zahn et al 1987 (Paleoceanography, 2, 543) (*)

29.2N	11.5W	CW									
0.0	1.75	10.0	2.70	11.3	2.65	12.5	3.20	13.8	3.35	15.0	3.25
16.3	3.25	17.5	3.25	18.8	3.20	22.5	3.95	25.0	2.85	32.5	2.90
45.0	2.85	52.5	2.90	60.0	2.60	72.5	2.20	85.0	2.30	97.5	2.30
122.5	2.90	132.5	3.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE M-16006(MB)

Zahn et al 1987 (Paleoceanography, 2, 543) (*)

29.2N	11.5W	MB									
0.0	2.30	1.3	2.30	2.5	2.30	3.8	2.50	5.0	2.50	6.3	2.50
7.5	2.30	8.8	2.75	10.0	2.70	11.3	3.10	12.5	3.20	13.8	3.35
15.0	3.25	16.3	4.10	17.5	3.85	18.8	4.10	22.5	3.95	25.0	3.60
35.0	3.60	42.5	3.60	52.5	3.50	62.5	3.40	70.0	3.80	82.5	2.60
95.0	2.90	110.0	2.10	120.0	2.25	132.5	2.70	9999.9	0.00	9999.9	0.00

CORE M-16006(PA)

Zahn et al 1987 (Paleoceanography, 2, 543) (*)

29.3N	11.5W	PA											
0.0	1.60	1.3	1.55	2.5	1.75	3.8	1.70	5.0	1.95	6.3	1.85		
7.5	1.95	8.8	2.15	10.0	2.70	11.3	2.45	12.5	2.65	17.5	3.25		
20.0	3.15	22.5	3.05	25.0	2.85	22.5	2.85	60.0	2.70	78.5	2.20		
85.0	1.85	97.5	2.30	110.0	1.60	122.5	1.60	132.5	2.45	9999.9	0.00		

CORE M-16017

Zahn et al 1987 (Paleoceanography, 2, 543) (*)

21.2N	17.8W	MB											
1.4	2.50	2.9	2.70	4.3	3.00	5.8	3.10	7.2	2.45	8.6	3.20		
10.1	3.50	11.5	3.50	12.9	3.80	14.4	3.90	15.8	3.70	17.3	3.50		
18.7	3.35	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00		

CORE M-16030

Zahn et al 1987 (Paleoceanography, 2, 543) (*)

21.2N	18.1W	MB											
0.0	3.10	.8	3.15	1.7	3.10	3.3	3.50	5.0	3.15	6.7	3.50		
8.3	3.70	10.0	3.30	10.8	3.50	11.7	3.70	12.5	4.05	13.3	4.30		
14.2	4.50	15.0	4.65	15.8	4.80	16.7	4.65	17.5	4.75	18.3	4.85		
19.2	4.70	20.0	4.60	20.8	4.55	21.7	4.55	23.3	4.10	25.0	4.20		
26.7	3.90	30.0	3.75	33.3	4.50	35.0	4.00	36.7	4.20	38.3	4.25		
40.0	4.50	43.3	3.65	46.7	4.10	48.3	3.90	50.0	3.90	9999.9	0.00		

CORE MD73-04

Duplessy 1978 (In Climate Change, 46) (*)

5.0N	61.7E	GS											
0.0	-1.50	8.1	-1.40	16.2	-60	24.3	-50	32.4	-20	48.6	-60		
56.7	-70	64.8	-90	72.9	-80	81.0	-50	89.0	-60	97.1	-1.30		
105.2	-1.10	113.5	-1.20	121.4	-1.30	129.5	-90	137.6	-1.60	145.7	-1.00		
153.8	-20	161.9	-10	170.0	-20	177.1	-20	184.3	-70	191.4	-1.00		
198.6	-80	205.7	-60	212.9	-80	220.0	-110	227.1	-1.10	234.3	-1.50		
241.4	-1.20	248.6	-90	255.7	-40	262.9	-1.20	270.0	-60	277.1	-40		
284.3	-50	291.4	-45	298.6	-40	305.7	-60	312.9	-50	320.0	-60		
327.1	-90	334.3	-80	341.4	-90	348.6	-90	355.7	-1.10	370.0	-30		
375.3	-20	380.6	-40	385.9	-30	391.2	-90	407.1	-70	417.6	-70		
433.5	-1.00	444.1	-50	449.4	-30	460.0	-30	466.7	-70	473.3	-40		
486.7	-90	493.3	-90	500.0	-1.00	506.7	-90	513.3	-1.40	520.0	-80		
527.5	-70	542.5	-1.00	550.0	-1.50	557.5	-90	565.0	-1.20	572.5	-1.10		
587.5	-20	595.0	-20	602.5	-50	610.0	-40	617.5	-80	625.0	-50		
640.0	-90	655.0	-70	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00		

CORE MD73-025(ML)

Duplessy 1978 (In Climate Change, 46)

43.8S	51.3E	ML											
-1	3.13	.5	3.16	1.6	2.87	1.9	2.82	2.6	3.07	3.3	3.02		
3.9	3.06	4.5	3.14	5.3	3.09	6.4	3.28	7.0	3.32	7.6	3.25		
8.4	3.28	9.1	3.35	10.4	3.48	11.4	3.55	12.6	3.41	13.3	3.66		
13.9	3.82	14.5	3.84	15.1	3.90	15.8	3.92	16.4	3.94	17.0	4.29		
17.6	4.64	18.3	4.62	19.0	4.72	19.9	4.65	21.5	4.49	22.4	4.31		
23.2	4.47	24.9	4.05	25.8	3.78	26.6	4.15	27.5	4.28	28.3	3.99		
29.2	4.21	30.0	4.14	30.8	4.10	31.7	4.42	32.5	4.26	35.1	4.19		
35.9	4.21	36.0	4.27	39.3	4.04	40.1	4.14	41.8	4.24	42.7	4.29		
43.5	4.25	44.6	4.28	46.5	4.18	47.7	4.24	48.6	4.07	49.4	4.16		
50.3	4.19	51.1	4.39	52.0	4.41	53.7	4.11	54.5	4.21	55.4	4.19		
56.2	4.13	57.9	4.09	58.7	4.03	59.6	4.18	60.4	4.04	61.3	4.23		
62.5	3.88	64.6	4.26	65.5	3.85	66.3	4.33	66.8	4.20	68.5	4.14		
68.9	3.96	70.6	3.82	71.4	3.92	72.3	3.80	73.1	3.76	73.9	3.86		
74.9	3.57	75.6	3.87	76.5	3.72	77.3	3.57	78.9	3.63	81.5	4.32		
83.2	4.14	84.1	4.09	84.9	3.67	87.8	3.81	88.3	3.84	89.2	3.78		
90.0	3.62	90.6	3.88	91.7	4.07	92.5	4.26	93.4	4.01	94.6	3.90		

95.1	3.69	96.9	3.51	96.8	3.66	97.6	3.66	98.5	3.06	100.1	3.51
101.8	2.89	104.4	3.02	105.8	2.99	106.1	2.99	107.7	2.80	108.6	2.74
109.4	3.75	110.3	3.56	111.1	4.30	112.0	4.60	112.8	4.25	114.1	3.55
116.2	3.16	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE MD73-025(NP)

Labracherie et al 1989 (Paleoceanography, 4, 629) (*)

43.88 51.3E NP

0.0	2.40	.5	1.95	.9	2.15	1.4	2.40	1.9	2.30	2.4	2.18
2.8	1.65	3.3	1.75	3.8	2.10	4.3	2.15	4.7	1.95	5.2	2.05
5.7	3.25	6.1	1.85	6.6	2.15	7.1	1.95	7.6	1.95	8.0	1.80
8.5	1.90	9.0	2.00	9.5	2.87	9.9	2.30	10.4	2.35	10.9	2.40
11.5	2.95	12.0	2.85	12.8	3.63	12.4	3.10	12.6	2.70	14.1	4.00
15.5	4.00	17.0	4.85	18.5	4.15	19.9	4.05	9999.9	0.00	9999.9	0.00

CORE MD76-131(GM)

Duplessy 1982 (Nature, 295, 494) (*)

15.5N 72.6E GM

1.7	-1.05	6.7	-.65	8.3	-.60	10.0	-.65	10.3	-.60	10.5	-.45
11.0	-.10	11.7	-.08	12.4	0.00	13.1	-.08	13.8	-.05	14.5	0.00
15.9	.55	16.6	.45	16.0	.75	16.7	.50	20.1	.60	21.5	.45
22.2	.50	22.9	.80	23.6	.30	24.3	.45	25.0	.60	25.7	.30
26.4	.60	27.1	.70	27.8	.35	28.5	.70	29.2	.35	29.9	.30
30.6	.45	31.3	.45	32.0	.50	32.7	.10	33.4	.45	34.1	.20
34.8	.25	35.5	.10	36.2	.30	36.9	.08	37.6	.20	38.3	-.05
39.0	-.15	39.7	-.40	40.4	.75	41.1	.37	41.8	.75	42.5	-.15
43.9	-.10	44.6	-.10	45.3	-.35	46.0	-.25	46.7	-.35	47.4	-.25
48.1	.05	48.8	-.20	50.0	-.10	50.9	.25	51.6	.35	53.0	.33
53.7	-.05	54.4	.20	55.1	-.15	55.8	.17	56.5	.35	57.2	.20
58.6	.30	59.3	.50	60.0	.38	60.7	.50	61.4	.35	62.1	.30
62.8	.45	63.5	.10	64.2	.85	64.9	.15	65.6	.15	66.3	-.20
67.0	-.30	67.7	.15	68.4	-.10	69.1	-.40	69.8	-.65	70.5	-.42
71.2	-.45	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE MD76-131(GR)

Duplessy 1982 (Nature, 295, 494) (*)

15.5N 72.6E GR

0.0	-2.40	1.7	-2.45	3.3	-2.40	5.0	-2.30	6.7	-2.00	8.3	-2.00
10.3	-1.35	10.5	-1.15	10.8	-1.10	11.0	-1.00	11.7	-1.50	13.0	-1.35
14.5	-1.10	15.9	-.40	16.6	-.35	17.3	-.80	18.0	-.85	18.7	-.25
19.4	-.40	20.1	-.35	20.8	-.45	21.5	-.50	22.2	-.45	22.9	-.45
23.6	-.55	24.3	-.60	25.0	-.45	25.7	-.50	26.4	-.45	27.1	-.70
27.8	-.45	29.2	-.85	29.9	-.70	30.6	-.90	31.3	-.90	32.0	-.85
32.7	-.85	33.4	-.70	34.1	-.10	34.8	-.50	35.5	-.70	36.2	-.70
36.9	-1.00	37.6	-.95	38.3	-.97	39.0	-1.02	39.7	-1.10	40.4	-.68
41.1	-.90	41.8	-.95	43.2	-1.20	43.9	-1.15	44.6	-1.10	45.3	-1.15
46.0	-1.05	47.4	-1.35	48.1	-1.10	48.8	-1.18	49.5	-1.35	50.2	-1.00
50.9	-.95	51.6	-.70	52.3	-.72	53.0	-.75	53.7	-.05	54.4	-1.05
55.1	-1.02	55.8	-1.02	56.5	-1.10	57.2	-.75	57.9	-.70	58.6	-.75
59.3	-.48	60.0	-1.00	60.7	-.85	61.4	-.97	62.8	-1.00	63.5	-.80
64.2	-.85	64.9	-1.15	65.6	-1.15	66.3	-1.05	67.0	-1.10	67.7	-1.05
68.4	-1.25	69.1	-1.30	69.8	-1.25	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE MD76-135(GR)

Duplessy 1982 (Nature, 295, 494) (*)

14.5N 50.5E GR

-.0	-1.80	8.5	-1.65	9.9	-1.80	11.3	-1.85	12.7	-1.75	14.1	-1.30
15.5	-1.80	17.0	-1.85	18.4	-1.55	21.2	-1.30	24.0	-.80	25.4	-.70
26.9	-.68	28.3	-.75	29.7	-.15	31.1	-.30	32.0	-.10	33.3	-.25
36.8	-.20	38.2	-.60	39.6	-.58	41.0	-.45	42.4	-.45	43.8	-.30

45.2	- .35	46.6	- .15	49.5	- .65	50.9	- .30	52.3	- .50	53.7	- .55
55.1	- .50	56.5	- .70	58.0	- .68	59.4	- .50	60.8	- .70	62.2	- .55
62.6	- .40	65.0	- .60	67.9	- .55	69.3	- .65	70.7	- .60	72.1	- .70
73.5	- .45	74.9	- .60	76.3	- .55	79.2	- .65	82.0	- .50	83.4	- .65
84.8	- .70	86.2	- .90	87.6	- .55	89.1	- .50	90.5	- .40	91.9	- .70
93.3	- .45	94.7	- .65	96.1	- .55	98.9	- .85	100.4	- .90	101.8	- .15
103.2	-1.12	104.6	- .85	106.0	-1.00	107.4	-1.65	108.8	-1.10	110.3	-1.05
113.1	-1.15	114.5	-1.30	115.9	-1.17	117.3	-1.30	118.7	-1.75	120.2	-1.02
121.6	-1.05	123.0	- .95	124.4	-1.80	125.8	-1.40	127.2	-1.45	128.6	-1.38
131.5	-1.35	132.9	-1.15	134.3	-1.45	135.7	-1.40	137.1	-1.50	138.5	-1.35
141.4	-1.30	142.8	-1.10	144.2	-1.25	145.6	-1.15	147.0	-1.40	148.4	-1.40
149.8	-1.65	151.3	-1.35	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE MD76-135(MB)

Duplessy 1982 (Nature, 295, 494) (*)

14.5N	50.5E	MB									
- .0	8.30	1.4	8.20	4.8	8.55	7.1	8.70	9.9	8.48	11.3	8.45
15.5	8.75	17.0	8.70	18.4	8.80	19.8	8.45	81.2	8.55	84.0	8.20
25.4	3.25	26.9	3.15	28.3	3.20	29.7	3.85	31.1	4.07	32.5	3.90
33.9	4.10	36.8	3.45	38.0	3.75	39.6	3.85	41.0	3.50	45.0	3.80
46.6	3.60	48.1	3.55	49.5	3.15	52.3	3.65	53.7	3.57	55.1	3.60
56.5	3.40	58.0	3.38	59.4	3.50	62.2	3.35	65.0	3.42	66.4	3.35
67.9	3.45	72.1	3.40	73.5	3.15	74.9	3.45	76.3	3.45	77.7	3.35
79.2	3.30	80.6	3.02	82.0	3.42	84.8	3.30	87.6	3.00	90.5	3.50
91.9	3.45	94.7	3.65	96.1	3.35	100.4	2.98	101.8	3.08	103.8	3.00
104.6	8.75	106.0	3.30	107.4	3.30	108.8	3.02	110.3	3.05	111.7	8.85
113.1	8.88	114.5	2.85	117.3	2.95	118.7	2.95	120.2	3.15	121.6	8.97
123.0	3.05	124.4	2.65	125.8	3.85	127.2	3.88	128.6	3.77	130.0	3.90
131.5	3.90	134.3	3.60	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE MD77-169

Duplessy 1982 (Nature, 295, 494) (*)

10.2N	95.1E	GR									
0.0	-3.30	1.4	-3.35	8.8	-3.35	4.3	-3.20	5.7	-3.40	7.1	-3.40
10.0	-2.80	11.4	-1.90	12.8	-2.00	15.6	-1.55	17.1	-1.60	18.5	-1.00
19.9	-1.10	21.3	-1.05	24.2	-1.10	25.6	-1.05	27.0	-1.20	28.4	-1.10
29.9	-1.20	31.3	-1.10	32.7	-1.40	34.1	-1.10	37.0	-1.90	38.4	-1.30
41.8	-1.50	42.7	-1.50	44.1	-1.90	45.6	-1.80	46.9	-1.80	51.8	-1.00
52.6	-1.95	55.5	-1.30	56.9	-1.70	58.3	-1.70	59.7	-1.60	61.8	-1.60
62.6	-1.90	64.0	-1.90	65.4	-1.70	68.3	-1.95	71.1	-2.20	72.6	-2.15
74.0	-2.05	75.4	-2.20	76.8	-2.15	79.6	-1.70	81.1	-1.70	82.5	-1.50
83.9	-1.60	85.3	-1.55	86.8	-1.55	88.2	-1.55	89.6	-1.75	91.0	-1.75
92.4	-1.95	93.9	-1.55	95.7	-2.20	99.6	-2.70	102.4	-1.90	103.8	-1.20
105.2	-2.20	106.7	-2.00	110.9	-2.95	112.4	-2.65	113.8	-3.00	116.6	-2.45
118.0	-2.30	119.5	-2.30	122.3	-3.30	125.2	-3.50	126.6	-3.45	129.4	-1.30
130.8	-1.20	132.3	-1.30	133.7	-1.10	135.1	-1.00	139.4	-1.50	140.8	-1.45
143.6	-1.20	145.1	-1.30	146.5	-1.85	149.3	-1.90	152.8	-2.20	153.6	-2.20
155.0	-1.70	156.4	-1.70	157.9	-2.40	159.3	-1.95	160.7	-1.80	162.1	-1.90
163.6	-1.30	165.0	-1.30	166.4	-1.40	167.8	-1.80	169.2	-1.70	172.1	-1.60
173.5	-1.65	174.9	-1.60	177.6	-2.35	179.2	-3.05	182.0	-1.40	183.5	-1.50
184.9	-1.35	186.3	-1.40	187.7	-1.40	189.2	-1.70	190.6	-1.30	192.0	-1.65
193.4	-1.30	194.8	-1.30	197.7	-1.50	200.5	-2.15	202.0	-2.80	204.6	-2.00
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE MD77-194

Campo 1986 (Quat Res, 26, 376) (*)

10.5N	75.2E	GR									
0.0	-2.60	.7	-2.55	8.3	-2.60	4.7	-2.60	6.0	-2.70	6.7	-2.60
8.8	-2.25	9.3	-2.15	10.1	-1.40	11.0	-1.35	11.6	-1.60	12.2	-1.65
12.9	-1.50	13.9	-1.75	15.2	-1.70	15.9	-1.60	16.5	-1.75	17.2	-1.55

18.1	- .80	18.6	- .85	19.7	- .75	9999.9	0.00	9999.9	0.00	9999.9	0.00
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CORE MD84-527(OD)

Duplessy et al 1988 (Paleoceanography, 3, 343) (*)

43.8S 51.3E OD

2.0	3.60	3.0	3.50	4.0	3.15	5.1	3.80	6.3	3.60	7.4	3.40
6.3	3.90	3.3	4.00	10.2	4.50	11.1	4.60	12.1	5.15	13.0	5.20
14.2	5.05	17.8	4.90	19.0	5.30	20.2	4.95	21.4	5.00	23.8	4.90
25.0	4.93	25.6	4.96	26.1	4.93	27.4	4.90	29.0	4.70	30.3	4.75
31.2	4.75	32.5	4.80	33.4	4.65	36.3	4.35	38.2	4.85	39.1	4.95
40.1	4.90	41.0	5.00	42.3	4.65	43.3	4.75	44.2	4.80	45.2	4.70
46.1	4.90	47.0	4.85	50.0	4.50	52.0	4.70	53.0	4.75	54.0	4.70
55.0	4.60	62.0	4.70	63.0	4.90	71.0	4.80	72.0	4.75	73.0	4.50
74.0	4.55	75.0	4.48	76.0	4.20	77.0	4.45	78.0	4.30	79.0	4.40
80.0	4.15	81.0	4.27	82.0	4.27	83.0	4.60	84.0	4.47	87.0	4.55
89.0	4.35	91.0	4.30	93.0	4.45	96.0	4.44	97.0	4.10	98.0	3.90
99.0	4.30	100.0	4.40	101.0	4.28	106.0	4.40	107.0	4.65	108.0	4.35
109.0	4.15	110.0	4.38	118.0	3.50	122.0	3.63	123.0	3.55	125.0	3.70
128.0	3.60	130.0	4.10	132.0	4.20	134.0	4.85	136.0	5.03	9999.9	0.00

CORE MD84-527(GB)

Labracherie et al 1989 (Paleoceanography, 4, 629) (*)

43.8S 51.3E GB

2.3	2.45	.6	2.48	1.1	2.60	1.7	2.75	2.2	2.60	2.8	2.50
3.3	2.45	3.9	2.55	4.3	2.60	4.6	2.45	5.0	2.75	5.4	2.50
5.8	2.30	6.1	2.28	6.5	2.85	6.9	2.85	7.6	2.37	7.9	2.80
8.3	2.37	8.6	2.38	9.0	2.55	9.3	2.88	9.6	2.65	9.9	2.80
10.2	2.75	10.6	2.65	11.5	3.55	13.0	3.00	9999.9	0.00	9999.9	0.00

CORE MD84-527(ND)

Labracherie et al 1989 (Paleoceanography, 4, 629) (*)

43.8S 51.3E ND

0.0	2.00	.5	2.15	1.0	2.15	1.5	1.95	2.0	1.65	2.5	1.85
3.0	2.10	3.5	2.15	4.1	2.20	4.6	2.25	5.1	2.00	5.6	1.85
6.1	2.15	6.6	1.75	7.1	2.00	7.4	2.25	7.7	1.85	8.0	2.35
8.3	2.10	8.6	1.95	8.9	2.05	9.2	1.60	9.5	1.80	9.9	1.55
10.2	1.65	10.5	2.30	11.0	2.05	11.6	2.25	12.1	2.40	12.6	2.30
12.9	3.60	13.2	3.75	13.7	3.55	14.2	3.50	14.6	2.80	15.3	3.45
15.8	3.40	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE MD84-551

Labracherie et al 1989 (Paleoceanography, 4, 629) (*)

55.0S 73.3E NP

0.0	3.05	.9	3.20	1.8	2.90	2.7	3.05	3.6	3.05	4.9	3.35
5.4	3.05	6.4	3.10	7.3	3.00	8.2	3.35	9.1	3.15	10.0	3.15
10.2	3.40	10.9	3.80	11.6	3.80	12.3	2.95	12.8	3.45	14.7	4.00
17.0	4.80	17.5	4.40	19.3	4.05	21.7	4.20	9999.9	0.00	9999.9	0.00

CORE Me69-17(GB)

Heinrich 1988 (Quat Res, 29, 142) (*)

47.4N 19.7W GB

1.2	.20	2.4	.65	4.9	.90	6.7	1.25	8.6	1.50	10.8	1.80
11.0	2.95	12.7	1.25	14.4	2.35	15.6	3.00	16.9	2.95	18.3	3.10
19.8	2.50	21.0	2.30	22.7	2.60	23.9	3.05	25.2	2.75	28.5	2.50
30.1	2.55	36.9	3.10	36.9	3.00	40.9	2.45	44.7	2.60	50.9	2.50
53.4	2.55	56.0	2.35	56.7	2.45	57.9	2.45	59.2	2.70	60.0	2.50
61.7	2.50	63.3	2.50	64.6	2.45	65.8	2.30	67.9	2.45	70.4	2.35
72.5	2.60	73.7	2.30	76.6	2.70	80.4	2.65	82.4	2.25	84.1	1.95
87.0	2.20	91.1	2.05	96.1	2.90	96.6	2.20	100.7	2.00	102.6	2.40
104.8	1.10	109.0	1.35	111.1	2.50	112.7	1.35	116.5	2.10	119.0	2.10

9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00
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CORE Me69-17(PM)

Heinrich 1988 (Quat Res, 29, 142) (*)

47.4N 19.7W PM

0.0	3.90	1.2	3.80	2.4	3.75	3.7	3.90	4.9	3.90	6.1	3.65
7.7	4.20	8.6	4.00	2.8	4.05	10.6	4.10	19.6	5.35	30.6	5.15
42.2	4.80	53.0	4.85	55.5	4.80	58.8	5.30	60.8	4.80	62.5	5.00
64.2	4.90	65.8	5.45	66.7	4.85	70.8	5.50	72.5	5.20	74.5	4.95
80.4	4.85	82.8	4.65	85.3	4.20	87.0	4.80	90.3	4.60	91.6	4.00
94.5	4.65	96.5	4.25	98.6	4.80	100.3	4.75	102.8	4.20	104.8	3.85
107.3	3.65	111.5	3.50	116.0	4.20	119.4	4.80	9999.9	0.00	9999.9	0.00

CORE ODP-643A

Jansen et al 1988 (Paleoceanography, 3, 563) (*)

68.1N 1.8E NP

6.9	4.20	13.8	5.00	20.7	4.45	27.5	4.60	34.4	3.55	41.3	4.45
48.2	4.20	55.1	4.90	62.0	4.20	68.9	4.75	75.8	4.35	82.5	3.90
96.4	4.50	110.2	5.50	117.1	5.30	124.0	5.25	137.7	4.45	151.5	4.15
158.4	4.60	172.2	4.70	185.9	4.10	213.5	3.10	241.0	4.40	247.9	3.80
254.8	4.50	261.7	3.80	268.6	4.35	275.5	3.30	282.4	2.80	303.0	4.25
309.9	4.05	316.8	4.10	323.7	4.30	330.6	4.30	337.5	4.35	344.3	4.05
365.0	3.05	371.9	3.30	378.8	3.90	385.7	4.00	392.5	4.30	406.3	4.35
413.2	4.45	454.5	4.45	461.4	3.95	489.0	3.45	495.8	4.90	502.7	3.55
516.5	5.25	523.4	4.75	537.2	4.55	544.1	3.65	550.9	4.40	557.8	4.80
564.7	4.95	571.6	4.70	578.5	4.05	585.4	4.25	592.3	4.00	599.2	3.60
606.0	3.35	612.9	3.90	619.8	3.30	626.7	3.20	633.6	2.45	640.5	3.10
647.4	4.15	654.2	4.35	661.1	4.10	668.0	4.25	674.9	2.85	681.8	4.40
695.6	4.05	702.5	4.20	716.2	3.85	723.1	3.70	730.0	3.10	742.9	3.95
755.7	3.75	768.6	3.95	781.4	2.95	794.3	4.20	807.1	4.30	820.0	4.00
845.7	3.75	884.3	3.90	897.1	3.50	940.0	3.50	950.0	3.65	960.0	3.50
970.0	2.50	980.0	2.55	990.0	2.65	1000.0	2.70	1010.0	2.90	1040.0	2.50
1070.0	3.50	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE ODP-644A(MB)

Jansen et al 1988 (Paleoceanography, 3, 563) (*)

66.0N 4.7E MB

17.8	4.90	26.7	4.60	35.6	4.80	62.3	5.25	71.2	4.90	89.0	5.10
151.3	5.45	160.2	5.25	178.0	4.90	231.5	5.25	240.4	4.50	249.3	5.10
276.0	5.25	284.9	4.95	356.1	5.50	427.7	5.00	445.1	4.70	454.0	5.30
471.6	4.50	560.9	5.35	578.7	4.40	596.5	5.35	605.4	4.90	614.3	4.10
632.1	4.95	641.0	5.45	658.8	4.55	676.6	5.95	685.6	4.75	712.2	5.10
745.7	4.10	761.3	6.00	769.1	4.40	798.6	5.35	816.1	4.75	823.9	4.35
839.6	4.60	855.2	4.95	863.0	4.80	870.9	4.05	878.7	4.60	886.5	4.25
894.3	4.85	902.2	4.70	910.0	4.65	920.0	4.65	930.0	4.85	960.0	4.50
970.0	4.00	980.0	4.30	991.5	4.75	1003.1	4.95	1014.6	5.25	1026.1	4.90
1037.6	5.35	1049.2	4.75	1060.7	4.95	1072.2	5.10	1083.7	4.55	1095.3	5.20
1106.8	5.00	1118.3	5.55	1152.9	4.35	1164.4	5.10	1175.9	5.60	1199.0	4.50
1210.5	5.25	1222.0	4.35	1233.6	4.70	1245.1	5.15	1268.1	4.70	1325.8	4.15
1337.3	4.70	1348.8	4.30	1360.3	4.75	1371.9	4.40	1383.4	4.65	1429.5	4.35
1441.0	4.00	1452.5	4.80	1464.1	4.50	1475.6	4.65	1487.1	4.80	1521.7	4.50
1533.2	5.00	1544.7	4.85	1556.3	3.75	1567.8	4.25	1579.3	3.35	1590.8	3.40
1602.4	4.60	1613.9	4.90	1625.4	4.10	1648.5	4.65	1650.0	4.70	1682.0	4.00
1704.0	4.85	1726.0	4.65	1836.0	5.00	1858.0	4.45	1880.0	5.35	1893.7	4.90
1934.9	4.45	1976.0	5.20	1989.6	4.55	2003.5	5.05	2030.9	4.75	2044.7	4.55
2085.8	4.30	2099.5	4.50	2154.4	4.75	2168.1	4.60	2209.3	4.40	2223.0	4.15
2236.7	4.45	2250.5	4.30	2264.2	4.50	2319.1	4.85	2389.5	5.15	2703.3	4.30
2717.0	4.60	2730.7	4.50	2758.1	3.85	2826.7	3.90	2840.5	3.90	2854.8	4.70
2867.9	4.15	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE ODP-644A(NP)

Jansen et al 1988 (Paleoceanography, 3, 563) (*)

66.0N 4.2E NP

0.0	4.55	8.9	3.40	17.8	4.40	26.7	4.50	35.6	4.10	44.5	4.70
53.4	3.70	62.3	4.30	71.2	4.15	80.1	3.50	89.0	4.20	97.9	3.50
106.8	3.70	115.7	4.05	124.6	4.50	133.5	4.20	142.4	4.70	151.3	4.70
160.2	3.60	169.1	4.40	178.0	4.60	187.0	4.20	195.9	3.85	204.8	3.60
231.5	4.05	240.4	4.40	249.3	4.50	258.2	4.05	267.1	4.70	276.0	4.20
284.9	4.55	293.8	4.10	320.5	3.85	329.4	4.40	338.3	4.80	347.2	4.25
356.1	5.00	365.0	3.30	373.9	4.60	400.6	4.50	409.5	4.00	418.4	4.10
427.3	4.40	436.2	3.90	445.1	3.10	454.0	4.40	462.9	3.70	471.8	3.30
480.7	3.60	498.5	3.15	525.2	4.80	534.1	4.45	559.8	4.60	578.7	4.50
587.6	4.40	596.5	4.10	605.4	3.80	614.3	2.75	623.2	3.50	632.1	3.90
641.0	3.20	649.9	2.50	658.8	4.10	667.7	2.60	676.6	4.20	685.5	2.05
694.4	3.80	703.3	4.20	712.2	3.00	745.7	3.70	753.5	3.00	761.3	2.70
784.8	4.40	792.6	4.00	808.3	3.95	816.1	3.70	823.9	3.50	831.7	3.70
855.2	4.20	863.0	3.80	870.9	3.10	878.7	2.75	886.5	2.10	894.3	4.00
902.2	2.80	910.0	3.20	920.0	3.60	960.0	3.00	970.0	2.30	980.0	2.30
991.5	3.50	1037.6	2.50	1060.7	2.50	1072.2	4.00	1083.7	2.40	1233.6	1.75
1245.1	2.70	1256.6	2.30	1268.1	1.85	1279.7	2.40	1325.8	1.80	1337.3	2.50
1348.3	2.20	1360.3	1.60	1371.9	3.00	1383.4	2.50	1394.9	2.10	1429.5	3.00
1441.0	2.00	1452.5	2.90	1464.1	2.10	1475.6	3.10	1487.1	2.05	1533.6	2.10
1544.7	2.15	1567.8	2.40	1602.4	1.40	1613.9	2.00	1625.4	1.70	9999.9	0.00

CORE ODP-769A

Linsley and Thunell 1990 (Paleoceanography, 5, 1025)

8.9N 121.3E GR

1.8	-2.60	2.3	-2.61	2.7	-2.61	3.2	-2.48	3.5	-2.57	3.6	-1.8.56
4.0	-2.63	4.1	-2.64	4.4	-2.53	4.5	-2.56	4.8	-2.44	5.0	-1.8.56
5.3	-2.35	5.4	-2.49	5.8	-2.39	5.9	-2.41	6.3	-2.51	6.3	-1.8.56
6.7	-2.51	6.8	-2.41	7.0	-2.34	7.3	-2.49	7.6	-2.82	7.7	-1.8.43
8.0	-2.41	8.2	-2.49	8.4	-2.27	8.6	-2.82	9.0	-2.56	9.1	-1.8.56
9.4	-2.38	9.5	-2.45	9.8	-2.23	9.9	-2.08	10.1	-2.08	10.6	-1.9.6
10.4	-1.72	10.6	-1.91	10.8	-1.90	10.9	-1.75	11.2	-1.95	11.2	-1.8.11
11.4	-2.01	11.5	-2.12	11.7	-1.93	11.9	-1.96	12.0	-1.56	12.1	-1.9.2
12.3	-1.60	12.6	-1.47	12.8	-1.67	12.9	-1.42	13.1	-1.88	13.3	-1.40
13.4	-1.33	13.6	-1.32	13.7	-1.48	13.9	-1.88	14.0	-1.56	14.6	-1.8.26
14.3	-1.48	14.5	-1.35	14.6	-1.25	14.9	-1.37	14.9	-1.30	15.8	-1.8.9
15.3	-1.38	15.5	-1.39	15.5	-1.46	15.8	-1.62	15.9	-1.88	16.1	-1.53
16.1	-1.65	16.4	-1.51	16.5	-1.56	16.7	-1.45	16.8	-1.46	17.0	-1.36
17.1	-1.57	17.3	-1.43	17.4	-1.36	17.6	-1.30	17.7	-1.34	17.9	-1.44
18.0	-1.55	18.2	-1.66	18.3	-1.62	18.5	-1.55	18.6	-1.69	18.9	-1.84
18.9	-1.88	19.2	-1.77	19.2	-1.94	19.5	-1.93	19.5	-1.73	19.8	-1.78
19.9	-1.88	20.1	-1.89	20.1	-1.89	20.4	-1.93	20.5	-1.96	20.7	-1.83
20.8	-2.02	21.0	-1.74	21.1	-1.99	21.3	-1.72	21.4	-1.93	21.6	-1.84
22.0	-2.05	22.3	-2.16	22.6	-2.00	22.9	-1.93	23.2	-1.85	23.5	-1.80
23.8	-1.90	24.1	-2.00	24.8	-2.00	25.4	-1.80	25.7	-1.80	26.0	-1.81
26.6	-1.98	27.2	-2.01	27.6	-1.98	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE P6304-8

Emiliani 1966 (J Geol, 74, 109)

16.0N 69.0W 66

.0	-1.25	3.6	-1.29	7.1	-1.29	10.7	-1.57	14.3	-1.08	17.8	.26
21.4	.54	25.0	.63	28.5	.61	32.1	.35	35.7	.88	39.5	.15
42.8	0.00	46.4	.23	49.9	.17	53.5	.12	57.1	0.00	60.6	.09
64.2	.01	67.0	-.02	71.3	-.14	74.9	-.40	78.5	-.58	82.1	-.80
85.6	-.84	89.2	-.76	92.3	-.90	96.3	-.78	99.9	-.90	103.5	-.91
107.0	-.96	110.6	-.13	114.2	-.27	117.7	-.40	121.3	-.97	124.9	-.40
128.4	-.17	132.0	-.43	135.6	-.26	139.1	-.43	142.7	-.86	146.3	-.81
149.8	-.10	153.4	-.24	157.0	-.42	160.5	-.75	164.1	-.81	167.7	-.58

171.2	- .42	174.8	- .49	178.4	- .77	181.9	- .84	185.5	- .92	189.1	- 1.03
196.2	- .76	203.3	- 1.05	206.9	- 1.04	210.5	- .75	214.0	- .68	217.6	- 1.08
221.2	- .68	224.7	- .38	228.3	- .87	231.9	- 1.19	235.4	- .68	239.0	- .15
242.6	- .21	246.2	- .40	249.7	- .18	253.3	- 1.20	256.9	- .19	260.4	- .33
264.0	- .30	267.6	- .18	271.1	- .34	274.7	- .40	278.3	- .81	281.8	- .48
285.4	- .51	289.0	- .78	292.5	- .95	296.1	- .84	299.7	- .40	303.2	0.00
306.8	- .30	310.4	- .43	313.9	- .05	317.5	- .34	321.1	- .10	324.6	- .10
328.2	- .27	331.8	- .37	335.3	- .35	338.9	- .52	342.5	- .55	346.0	- .28
349.6	- .45	350.3	- .80	353.9	- .65	357.4	- 1.16	361.0	- .57	374.6	- .37
375.6	- .24	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE P6304-9

Emiliani 1966 (J Geol, 74, 109)

15.0N 69.0W GS

0.0	- 1.35	3.7	- 1.38	7.4	- 1.29	11.1	- .68	14.8	- .38	18.5	- .81
32.2	- .44	25.9	.14	29.6	.34	33.3	.48	37.0	.02	40.7	.08
44.4	- .11	48.1	.13	51.8	- .13	55.6	- .07	59.8	- .36	62.9	- .23
66.6	- .81	70.3	- .06	74.1	.32	77.8	- .53	81.5	- .62	85.2	- .72
88.8	- .53	92.6	- 1.02	96.3	- 1.19	100.0	- .89	103.7	- 1.27	107.4	- .82
111.1	- .54	114.8	- .77	118.5	- 1.45	122.8	- 1.10	125.9	- .46	129.6	- .36
133.3	- .16	137.0	- .44	140.7	- .12	144.4	.37	148.1	.40	151.8	- .25
155.5	- .48	159.2	- .07	162.9	- .48	166.6	- .33	170.3	- .44	174.0	- .67
177.7	- .52	181.4	- .07	185.1	- .88	188.8	- .93	192.5	- .81	196.2	- 1.37
199.9	- .95	203.6	- .32	207.3	- .81	211.0	- .95	214.8	- 1.08	218.5	.01
222.2	- .32	225.9	.45	229.6	- .06	233.3	- .08	237.0	- .39	240.7	- .03
244.4	- .03	248.1	- .28	251.8	- .34	255.5	- .27	259.2	- .26	262.9	- .59
266.6	- 1.07	270.3	- .71	274.0	- .55	277.7	- .96	281.4	- 1.39	285.1	- .93
288.8	- .31	292.5	.34	296.2	- .82	299.9	- .06	303.6	- .10	307.3	- .14
311.0	- .01	314.7	.10	318.4	- .71	322.1	- .71	325.8	- .69	329.5	- .35
333.2	- .50	336.9	- .17	340.6	- .57	344.3	- .60	348.0	- .64	351.7	- .92
355.5	- .21	359.2	.81	362.9	.81	366.6	- .44	370.3	- .42	374.0	- .35
377.7	- .68	381.4	- .78	385.1	- 1.00	392.5	- .34	396.2	- .25	399.9	- .05
403.6	.01	407.3	- .13	411.0	- .30	414.7	- .06	418.4	.40	422.1	- .15
425.8	- 1.15	429.5	- .35	433.2	- .69	436.9	- .65	440.6	- .57	444.3	- 1.02
451.7	- .30	455.4	- .38	459.1	- .18	462.8	- .58	466.5	- .35	470.2	- .61
473.9	- .16	477.6	- .21	481.3	.46	485.0	.39	488.7	.10	492.4	.40
496.2	.02	499.9	- .39	503.6	- .38	507.3	- .78	511.0	- .41	514.7	- .37
518.4	- .38	522.1	- .23	525.8	0.00	528.7	- .18	9999.9	0.00	9999.9	0.00

CORE P521295-4

Jones and Keigwin 1988 (Nature, 336, 56)

78.0N 2.4E NP

.7	3.46	1.3	3.55	2.7	3.69	3.1	3.57	3.6	3.61	4.0	3.60
4.5	3.61	4.9	3.57	6.2	3.67	7.6	3.56	8.5	3.68	8.9	3.85
9.8	3.93	10.8	4.17	12.1	4.35	13.0	4.27	13.9	4.02	14.8	3.58
15.7	4.65	16.1	4.52	16.3	4.71	16.9	4.64	9999.9	0.00	9999.9	0.00

CORE RAMA-44P

Keigwin 1987 (Nature, 330, 368)

53.0N 164.7E CD

2.0	2.53	2.8	2.80	2.5	2.82	4.3	2.96	5.0	2.96	5.7	2.93
6.4	3.32	7.1	3.33	7.9	3.24	8.6	3.35	9.3	3.80	10.0	3.84
11.0	3.81	12.0	4.01	12.5	3.89	13.0	3.96	13.5	3.95	14.0	4.02
14.5	4.39	15.0	4.37	15.5	4.35	16.0	4.47	16.5	4.35	17.0	4.35
17.5	4.37	18.0	4.49	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE RCB-39

Prell et al 1980 (Quat Res, 14, 309) (*)

42.9S 42.4E GS

1.0	2.15	2.4	2.35	4.0	2.70	6.4	3.20	8.0	2.45	9.0	3.65
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10.0	3.40	12.0	3.30	13.0	3.30	14.0	3.40	15.0	3.10	16.0	3.45
17.0	3.80	18.0	3.75	19.0	3.15	20.0	3.05	21.0	3.20	22.0	3.35
23.0	3.50	24.0	3.70	25.0	3.45	26.0	3.15	27.0	3.40	28.0	3.65
29.0	3.55	30.0	3.35	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE RC9-49

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

11.8N	58.6W	GS									
2.3	-1.70	5.9	-1.60	7.3	-1.43	10.2	-1.97	11.1	-1.92	12.2	-1.50
13.3	-1.10	14.8	-0.04	17.8	.29	20.3	-1.30	9999.9	0.00	9999.9	0.00

CORE RC9-150(GI)

Duplessy 1978 (In Climate Change, 46) (*)

31.3S	114.6E	GI									
0.0	.50	2.6	.60	5.6	1.40	8.4	1.20	15.3	1.75	22.3	1.80
29.2	1.75	36.1	1.35	43.1	1.35	50.0	1.30	54.5	1.35	59.1	1.40
63.6	1.85	68.2	1.15	72.7	.80	81.8	1.20	86.4	.98	90.9	1.00
95.5	1.10	105.0	.90	110.0	.98	115.0	1.22	120.0	1.26	125.0	1.00
130.0	.40	135.0	1.40	140.0	1.68	145.0	1.71	150.0	1.62	155.0	1.70
160.0	1.80	165.0	1.77	170.0	1.68	180.0	1.40	185.0	1.20	190.0	1.00
195.0	.82	205.0	.60	210.0	.62	215.0	1.30	220.0	1.40	225.0	.90
230.0	.95	235.0	1.38	240.0	.80	245.0	.55	250.0	.70	255.0	1.75
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE RC9-150(GS)

Be and Duplessy 1976 (Science, 194, 419) (*)

31.3S	114.6E	GS									
0.0	-.95	2.8	-.80	5.6	-.95	8.4	-.50	15.3	-.85	22.3	-.26
29.2	.30	36.1	-.02	43.1	.20	50.0	-.20	54.5	.15	59.1	.15
63.6	.27	68.2	-.40	72.7	-.45	77.3	-.49	81.8	-.52	86.4	-.30
90.9	-.45	95.5	-.40	100.0	-.90	105.0	-.73	110.0	-.65	115.0	-.76
120.0	-1.00	122.5	-.95	125.0	-1.10	127.5	-1.12	130.0	-1.00	132.5	-1.20
135.0	-1.00	140.0	-.08	145.0	.27	150.0	.40	155.0	.45	160.0	.40
165.0	.42	170.0	.42	175.0	.08	180.0	-.20	185.0	.10	190.0	-.23
195.0	-.42	200.0	-.40	205.0	-.74	210.0	-.65	215.0	.25	220.0	.20
225.0	-.35	230.0	-.55	235.0	-.15	240.0	-.60	245.0	-.90	250.0	-1.02
255.0	.20	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE RC9-161

Prell et al 1980 (Quat Res, 14, 309) (*)

19.6N	59.6E	GS									
0.0	-2.20	1.1	-1.60	2.1	-1.50	3.8	-1.90	4.2	-1.80	5.3	-1.60
6.4	-1.30	7.4	-.90	8.5	-.70	9.5	-.70	10.6	-.60	11.6	-.70
12.7	-.20	13.8	-.05	14.8	-.80	15.9	-.30	16.9	-.30	18.0	-.05
19.1	-.40	20.1	-.80	21.2	-1.65	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE RC9-162

Prell et al 1980 (Quat Res, 14, 309) (*)

19.1N	60.4E	GS									
0.0	-1.70	3.6	-1.35	7.2	-1.45	10.8	-1.50	14.4	-.65	18.0	-.50
21.6	-1.15	25.2	-1.35	28.8	-1.35	32.4	-.75	36.0	-.70	9999.9	0.00

CORE RC9-803(CD)

Oppo and Fairbanks 1987 (Earth Planet Sci Lett, 86, 1)

36.1N	1.6W	CD									
1.4	1.50	1.9	1.84	3.5	3.04	4.2	3.55	5.0	2.34	5.8	3.97
6.6	3.23	7.5	4.09	8.3	3.01	9.1	3.50	10.0	3.88	10.7	3.90
10.8	3.61	11.7	3.99	12.5	3.98	13.4	3.95	14.2	4.33	15.0	4.10
16.7	4.13	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE RC9-203(UP)

Oppo and Fairbanks 1987 (Earth Planat Sci Lett, 86, 11)

36.1N 1.6W UP

3.5	2.05	5.0	2.07	5.0	2.27	5.6	2.19	7.5	2.39	8.3	2.23
9.1	2.58	10.0	2.34	10.6	3.55	11.7	3.57	12.5	3.96	13.4	3.56
14.2	4.18	15.0	4.01	16.7	3.89	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE RC11-86

Prell et al 1980 (Quat Res, 14, 309) (*)

35.8S 18.5E GS

2.2	- .60	6.7	- .70	11.5	- .05	13.9	.15	16.1	.55	18.0	.45
19.9	.75	21.7	.45	23.6	.55	27.3	.45	9999.9	0.00	9999.9	0.00

CORE RC11-120

Thierstein et al 1977 (Geology, 5, 400) (*)

43.5S 79.9E GB

1.6	1.95	3.2	1.90	4.7	1.89	6.3	2.05	7.9	2.05	9.5	2.35
11.0	2.15	12.6	2.60	14.2	2.75	15.8	3.02	17.3	2.95	18.9	3.28
22.1	3.35	25.2	3.23	28.4	3.35	31.5	3.35	34.7	3.34	37.8	3.05
41.0	3.08	44.1	2.90	47.3	2.87	50.4	2.70	52.0	2.65	55.8	2.88
58.3	2.75	59.9	3.00	61.5	2.75	63.1	2.86	66.2	2.75	69.4	2.98
72.5	2.92	75.7	2.80	78.8	2.95	82.0	2.52	85.1	2.50	88.3	2.36
91.4	2.34	97.7	2.75	100.9	2.65	104.0	2.50	107.8	2.48	110.4	2.40
113.5	2.43	116.7	2.60	123.0	2.73	126.1	2.48	129.3	2.82	132.4	1.90
138.7	3.20	141.9	3.35	151.3	3.42	157.6	3.27	164.0	3.27	170.3	3.40
176.6	3.05	182.9	2.88	189.8	2.90	195.5	2.70	201.8	2.40	208.1	2.40
214.4	2.55	220.7	2.52	227.0	3.10	233.3	2.80	239.6	2.65	245.9	2.58
252.2	3.05	258.5	3.15	264.8	3.10	271.2	3.15	277.5	2.95	283.8	2.78
290.1	2.70	296.4	2.45	302.7	2.70	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE RC11-145

Prell et al 1980 (Quat Res, 14, 309) (*)

25.5S 110.0E GS

1.8	-1.00	3.6	-1.35	7.2	- .70	10.8	- .40	14.4	- .50	18.0	- .85
25.2	- .90	28.8	- .95	32.4	-1.05	36.0	- .80	9999.9	0.00	9999.9	0.00

CORE RC11-147

Prell et al 1980 (Quat Res, 14, 309) (*)

19.1S 112.8E GS

0.0	-2.25	3.2	-2.25	6.4	-2.10	9.6	-2.00	13.3	-1.05	18.0	-1.75
21.9	- .75	29.6	-1.20	33.4	- .90	37.3	-1.10	9999.9	0.00	9999.9	0.00

CORE RC11-210

Pisias and Rea 1988 (Paleoceanography, 3, 211) (*)

1.8N 140.1W GS

4.2	.10	14.0	1.20	21.1	1.00	26.1	1.60	35.1	.70	42.1	1.35
49.1	.60	56.2	.55	63.2	.50	70.2	.45	77.2	.95	84.2	.20
91.7	.10	105.3	1.40	126.3	-.20	140.4	1.60	147.4	.95	154.4	1.75
161.4	1.35	168.5	.80	175.5	1.05	182.5	.80	189.5	.85	196.5	.45
203.6	.60	210.6	.45	224.6	1.30	231.6	.20	238.7	.40	245.7	.40
259.7	.85	266.7	.65	273.8	1.25	280.8	.60	294.8	1.25	301.8	.70
315.9	1.00	322.9	.80	329.9	.30	336.9	.70	343.9	.20	358.0	1.90
365.0	1.10	372.0	1.50	379.0	.60	386.1	.90	414.1	0.00	421.2	.30
428.2	.35	435.2	.80	442.2	.70	449.2	1.50	456.3	1.10	463.3	1.45
470.3	.75	477.3	1.15	484.3	.80	491.3	1.15	498.4	.90	505.4	.00
512.4	.50	519.4	.80	526.4	.65	533.5	.60	540.5	1.00	547.5	.45
554.5	.70	561.5	.10	575.6	.20	582.6	1.00	589.6	.70	596.6	.35
603.7	1.20	610.7	.50	617.7	1.05	624.7	.50	631.7	1.30	638.8	1.60
645.8	.80	652.8	1.50	659.8	1.25	666.8	1.40	673.8	.50	680.9	.80
687.9	.30	694.9	1.05	701.9	.50	708.9	1.10	716.0	.70	723.0	1.10

730.0	.50	737.0	.40	744.0	1.10	751.1	.80	758.1	.95	765.1	1.45
779.1	1.60	793.2	.60	807.2	1.30	814.2	1.25	821.2	1.60	825.3	.65
842.3	1.25	856.3	.65	863.4	.90	870.4	.60	877.4	.75	884.4	.40
891.4	.70	898.5	.30	905.5	.80	912.5	.80	919.5	.80	926.5	.90
933.6	1.00	947.6	.30	954.6	.60	961.6	1.00	969.6	0.00	979.6	0.00

CORE RC11-230

Thompson et al 1979 (Nature, 280, 554) (*)

9.85 110.8W GS

0.0	-1.00	10.0	-.30	14.9	-.10	19.9	-.85	29.9	-.25	39.8	-.30
44.8	-.40	49.8	-.60	54.8	-.50	59.7	-.40	64.7	-.30	69.7	-.50
74.7	-.70	77.2	-.60	79.7	-.65	84.6	-.90	89.6	-.65	94.6	-.70
97.1	-.80	99.6	-.65	102.1	-.90	104.6	-.85	107.0	-.95	109.5	-.125
112.0	-1.20	114.5	-1.20	117.0	-1.05	119.5	-1.40	122.0	-.70	124.5	-.90
127.0	-.50	129.4	-.15	131.9	-.10	136.9	-.55	141.9	.05	146.9	-.10
149.4	-.30	999.9	0.00	999.9	0.00	999.9	0.00	999.9	0.00	999.9	0.00

CORE RC12-339

Prell et al 1980 (Quat Res, 14, 309) (*)

9.1N 90.1E GS

0.0	-2.50	2.3	-2.40	4.5	-2.35	6.8	-1.40	9.0	-1.05	11.3	-1.15
13.5	-.75	15.8	-1.05	18.0	-.45	20.3	-.55	22.5	-.85	999.9	0.00

CORE RC13-110

Pisias et al 1990 (Paleoceanography, 5, 147)

.1N 95.7W MB

1.3	3.30	3.7	3.83	5.0	3.49	7.0	3.50	8.0	3.91	10.1	4.24
11.3	4.01	11.7	4.60	13.7	4.82	14.7	4.13	17.0	4.70	18.0	4.83
20.7	4.73	22.5	4.85	25.1	4.60	26.9	4.54	30.0	4.43	31.4	4.53
34.5	4.34	35.8	4.50	38.9	4.31	40.3	4.43	43.4	4.45	44.7	4.32
47.8	4.31	49.2	4.56	52.3	4.22	53.6	4.43	56.8	4.21	58.1	4.45
61.2	4.09	62.5	4.44	65.7	4.33	70.1	4.47	71.9	4.34	74.6	4.46
75.9	4.68	79.0	4.63	80.4	4.68	83.5	3.90	85.7	3.88	87.9	3.98
89.3	3.98	92.4	3.80	93.7	3.95	101.3	3.72	105.7	3.89	107.1	3.83
110.8	3.97	111.1	3.85	114.7	3.66	116.4	3.15	119.1	3.07	120.4	3.81
123.6	3.32	128.0	3.71	129.8	4.38	132.8	4.50	134.3	4.80	137.6	4.73
139.3	4.72	142.7	4.67	144.2	4.80	147.7	4.62	149.2	4.91	152.7	4.59
154.2	4.71	157.7	4.62	159.2	4.78	162.7	4.60	164.2	4.70	169.1	4.51
172.6	4.51	174.1	4.41	179.1	4.41	184.1	4.44	187.6	4.46	190.0	4.36
192.5	4.31	194.0	3.76	197.5	3.50	198.5	3.63	202.5	3.58	207.5	3.54
209.0	3.82	212.4	3.85	214.4	3.68	217.4	3.70	219.4	3.92	222.4	3.67
223.9	4.19	227.4	4.00	228.9	4.26	232.3	4.07	233.8	3.97	237.3	4.01
238.8	4.00	242.3	3.62	243.8	3.65	247.3	3.43	248.7	3.83	252.8	3.71
254.2	4.01	257.2	3.54	259.2	4.63	262.2	4.15	264.2	4.62	267.1	4.81
269.1	4.49	272.1	4.35	273.6	4.62	277.1	4.01	279.1	4.39	282.0	4.02
287.0	3.82	292.0	3.97	293.0	4.09	296.9	4.10	298.9	4.14	301.9	3.97
302.9	4.12	306.9	3.69	308.9	3.70	311.9	3.56	313.8	3.72	316.8	3.35
318.8	3.49	321.8	3.11	323.3	3.20	326.8	3.27	328.7	3.18	331.7	3.35
333.7	3.65	338.8	4.24	341.9	4.37	343.4	4.63	347.0	4.60	349.1	4.44
358.2	4.43	357.2	4.40	358.3	4.42	362.5	4.39	364.5	4.23	367.6	4.06
369.7	4.27	372.8	4.02	374.3	4.11	377.9	4.01	380.0	4.18	383.1	3.65
384.6	4.04	388.2	3.54	390.3	3.67	393.4	3.60	395.4	3.31	398.5	2.98
400.6	3.23	403.7	3.03	405.2	3.19	408.6	3.09	410.4	3.42	414.0	3.19
415.0	3.52	419.1	3.91	424.3	4.08	425.7	4.68	429.1	4.82	431.0	4.85
433.8	4.87	435.3	4.92	438.6	4.42	440.0	4.77	443.4	4.65	444.8	4.89
448.1	4.42	450.0	4.54	452.9	4.10	454.3	4.67	457.6	4.32	459.5	4.38
462.4	4.24	464.3	4.55	467.2	4.47	469.1	4.34	471.9	4.36	473.8	4.31
476.7	4.30	478.6	4.06	481.5	4.34	483.4	4.07	488.1	3.30	491.0	3.61
492.9	3.21	495.7	3.73	500.5	3.72	501.9	3.51	505.3	4.09	507.2	4.27
510.0	4.14	511.9	4.08	514.8	3.90	516.7	3.90	519.6	3.87	521.5	4.08

524.3	3.83	529.1	4.27	530.5	4.45	533.6	4.39	535.7	4.50	540.0	4.32
543.4	3.88	545.3	4.16	548.1	3.59	550.0	3.86	550.5	4.14	552.9	3.79
554.8	3.81	557.7	3.89	559.1	4.34	562.4	3.99	564.3	3.98	567.2	3.98
568.6	3.92	569.1	3.93	571.9	3.91	573.6	3.83	574.3	3.68	576.2	3.82
578.1	3.92	578.6	3.88	581.0	3.86	587.7	4.16	591.0	3.89	592.4	4.88
600.5	4.90	602.4	4.87	602.9	4.76	605.3	4.87	607.2	4.80	607.7	4.84
610.0	4.57	611.9	4.60	614.8	4.52	616.2	4.62	619.6	4.46	621.0	4.56
624.3	4.35	625.8	4.82	629.1	4.34	631.0	4.40	631.5	4.61	633.9	4.29
635.3	4.44	635.8	4.50	638.6	4.36	640.0	4.40	640.5	4.40	643.4	4.05
648.1	4.04	649.1	3.93	652.9	3.57	654.3	3.69	657.7	3.52	659.1	3.60
662.4	3.58	663.9	3.77	667.2	4.47	668.6	3.98	672.0	4.74	676.7	5.17
678.1	4.49	681.5	5.07	682.9	4.60	686.2	5.00	687.7	4.27	691.0	4.34
692.4	4.01	695.8	4.14	697.2	4.07	700.5	4.11	702.0	4.21	705.3	4.06
706.7	4.27	710.1	4.23	711.5	4.36	714.8	4.51	716.7	4.31	719.6	4.55
781.0	4.32	781.5	4.23	784.3	4.25	785.6	4.09	789.1	4.00	793.9	4.07
735.3	4.01	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE RC13-184

Mix et al 1986 (Paleoceanography, 1, 43)

3.9N 43.3W GS

0.0	-1.43	3.8	-1.52	6.5	-.80	7.9	-.65	9.2	-.38	10.5	-.25
13.2	-.41	14.5	.03	15.8	-.02	17.0	-.09	18.3	.07	20.8	.13
22.0	-.04	23.3	.02	24.5	-.32	25.8	-.26	27.0	-.28	9999.9	0.00

CORE RC13-189

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

1.9N 30.0W GS

.8	-1.44	1.9	-1.39	2.7	-1.47	3.1	-1.71	3.9	-1.48	4.3	-1.29
4.6	-1.32	5.0	-1.73	5.8	-1.19	6.6	-1.33	7.7	-1.12	8.5	-.78
9.3	-.39	9.9	-.28	10.1	-.25	10.7	-.59	10.9	-.64	11.2	-.48
11.9	-.06	12.4	-.14	12.9	-.03	13.4	.30	13.7	.28	14.0	.24
14.5	.39	14.8	.17	15.3	.25	15.6	.21	16.0	.28	16.5	.07
17.5	.17	18.1	.09	19.1	.13	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE RC13-229

Oppo and Fairbanks 1987 (Earth Planet Sci Lett, 86, 1)

25.5S 11.3E CD

.9	2.45	1.6	2.73	2.3	2.76	2.7	2.43	3.0	2.81	3.7	2.74
5.2	2.67	7.7	2.92	8.5	3.04	9.6	2.96	9.9	3.30	10.8	3.61
12.0	3.65	12.3	3.72	13.4	4.26	14.7	4.03	16.1	4.07	17.5	4.25
18.3	4.84	19.1	4.05	19.3	4.16	19.9	4.21	20.7	4.15	22.4	4.04
24.0	4.03	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE RC14-7

Prell et al 1980 (Quat Res, 14, 309) (*)

35.5S 44.8E GI

1.5	.45	3.0	.35	4.5	.55	6.0	1.20	7.5	.85	9.0	.95
12.0	1.05	15.0	1.15	18.0	1.40	21.0	1.20	24.0	.70	27.0	.65
30.0	.65	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE RC14-9

Prell et al 1980 (Quat Res, 14, 309) (*)

39.0S 47.9E GI

1.3	.30	2.6	.60	5.1	.30	7.7	.25	10.3	.75	12.9	.90
15.4	1.60	18.0	1.90	20.6	1.40	23.1	1.25	25.7	1.95	9999.9	0.00

CORE RC14-29

Prell et al 1980 (Quat Res, 14, 309) (*)

40.9S 88.3E GS

0.0	-2.20	9.0	-1.15	18.0	-.70	27.0	-1.05	36.0	-1.20	45.0	-1.10
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54.0	-1.62	63.0	-1.65	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00
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CORE RC14-35

Prell et al 1980 (Quat Res, 14, 309) (*)

.88	90.0E	GS									
0.0	-2.55	7.0	-2.15	11.2	-1.75	15.7	-1.00	20.3	-1.15	24.9	-1.55
89.6	-1.50	34.2	-2.15	38.8	-1.30	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE RC14-37

Thompson et al 1979 (Nature, 280, 554) (*)

1.5N	90.2E	GS									
0.0	-2.00	4.5	-2.30	9.0	-2.00	13.5	-1.60	15.6	-.80	18.0	-.60
21.7	-.70	25.5	-1.30	32.9	-1.05	47.8	-1.40	55.3	-1.00	62.7	-1.10
77.6	-1.80	92.6	-1.60	103.7	-1.50	107.5	-1.50	114.9	-1.95	118.7	-1.30
122.4	-1.40	129.8	-.10	137.3	-.70	144.8	-.75	152.2	-1.10	159.7	-.90
167.1	-1.50	174.6	-1.30	182.0	-1.70	189.5	-1.60	196.9	-1.05	204.4	-1.40
211.9	-1.40	219.3	-.70	226.8	-.80	234.8	-.70	241.7	-1.15	249.1	-1.00
256.6	-.90	264.0	-1.30	279.0	-1.60	286.4	-2.05	293.9	-.80	301.3	-.65
308.8	-.75	316.2	-1.10	323.7	-1.30	331.8	-1.60	338.6	-1.80	346.1	-1.90
353.5	-1.50	361.0	-.10	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE RC17-69

Be and Duplessy 1976 (Science, 194, 419) (*)

31.5S	32.6E	GS									
0.0	-1.52	5.0	-1.45	10.0	-1.05	15.0	-.40	20.0	-.05	25.0	.20
30.0	-.15	35.0	-.25	40.0	-.45	45.0	-.55	50.0	-.58	55.0	-.43
60.0	-.48	65.0	-.49	70.0	-.40	75.0	-.58	80.0	-.25	85.0	-.02
90.0	-.75	100.0	-1.00	105.9	-.82	111.8	-1.38	117.6	-1.25	123.5	-.90
129.4	.05	135.3	0.00	141.2	-.10	147.1	.15	152.9	.10	158.8	-.10
164.7	-.35	170.6	-.15	176.5	-.34	182.4	-.22	188.2	-.72	194.1	.15
200.0	-.70	205.9	-.87	211.8	-.95	217.6	-.85	223.5	-.35	229.4	-.23
235.3	-.20	241.6	-.85	247.1	-.95	253.9	-.10	258.8	0.00	264.7	-.35
270.6	-.38	276.5	-.33	282.4	-.38	288.2	-.39	294.0	-.67	305.0	-.72
320.0	-.40	330.0	-.33	340.0	-.99	350.0	-.75	360.0	-.28	370.0	-.45
380.0	-.86	390.0	-.88	400.0	-.15	407.1	-.98	414.3	-.78	421.4	-.48
428.6	1.30	435.7	-.30	442.9	-.45	450.0	-.28	457.1	-.73	464.3	-.55
471.4	-.62	478.6	-.35	485.7	-.68	492.9	-.60	500.0	-.82	507.1	-.02
514.3	.17	521.4	.15	528.6	-.22	535.7	-.67	9999.9	0.00	9999.9	0.00

CORE RC17-73

Prell et al 1980 (Quat Res, 14, 309) (*)

38.1S	36.0E	GS									
9.0	-.65	18.0	-.05	27.0	-.40	36.0	-.30	45.0	-.25	54.0	-.95
63.0	-.80	72.0	-.60	81.0	-.80	90.0	-.95	99.0	.15	108.0	.15
117.0	-.05	126.0	-.70	135.0	-.25	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE RC17-98

Prell et al 1980 (Quat Res, 14, 309) (*)

13.2S	65.6E	GS									
0.0	-1.90	3.4	-1.86	6.8	-1.65	10.2	-1.05	13.6	-.50	17.0	-.50
20.4	-.75	23.2	-1.05	27.2	-1.20	30.6	-1.25	34.0	-1.25	9999.9	0.00

CORE RC17-177

Shackleton 1987 (Quat Sci Rev, 6, 183) (*)

1.8N	159.4E	MP									
0.0	-2.05	3.0	-2.07	6.0	-1.85	9.0	-1.60	12.0	-1.30	15.0	-1.05
18.0	-.80	20.6	-.90	23.2	-.97	25.8	-1.05	28.4	-1.10	30.9	-1.20
33.5	-1.15	36.1	-1.07	38.7	-1.17	41.6	-1.20	44.4	-1.20	47.4	-1.17
50.4	-1.25	53.3	-1.27	56.3	-1.25	59.3	-1.25	62.2	-1.25	65.2	-1.23
68.1	-1.17	71.1	-1.33	74.1	-1.50	77.0	-1.60	80.0	-1.62	83.1	-1.55

86.2	-1.52	89.2	-1.57	92.3	-1.67	95.4	-1.58	98.5	-1.65	101.5	-1.73
104.6	-1.70	107.7	-1.65	110.8	-1.75	113.9	-1.85	116.9	-1.90	120.0	-1.87
123.6	-1.85	126.9	-1.60	129.0	-1.50	132.0	-1.30	135.0	-0.97	138.0	-0.80
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE RC24-01

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

1.6N 13.4W ND

0.0	.03	4.0	-.19	5.3	.05	6.6	.11	7.9	.35	9.3	.50
10.5	.80	11.4	.81	12.3	.74	13.1	1.18	13.8	1.31	14.6	1.41
15.3	1.69	16.0	1.62	16.6	1.54	17.2	1.26	17.8	1.34	18.4	1.73
19.0	1.83	19.6	1.31	20.2	1.30	20.8	1.58	21.4	1.52	22.0	1.55
22.6	1.33	23.2	1.57	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE RC24-07

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

1.4S 11.9W ND

0.0	-.24	1.2	-.03	2.4	-.29	3.6	-.16	4.8	-.03	6.1	-.03
7.3	.19	8.4	.54	9.3	.70	10.8	.93	11.1	.92	12.0	1.13
12.9	1.21	13.8	1.29	14.8	1.45	15.4	1.86	15.7	1.82	16.2	1.86
16.5	1.75	16.7	1.36	17.0	1.46	17.2	1.63	17.5	1.93	18.0	1.41
18.6	1.61	19.1	1.41	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE RC24-16

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

5.1S 10.8W ND

0.0	-.21	1.0	-.46	2.0	-.01	3.0	-.41	4.0	-.13	5.0	-.20
5.3	-.07	6.0	-.18	6.2	-.37	6.6	-.18	7.1	-.08	7.7	.02
7.9	-.13	8.3	-.05	8.9	.22	9.0	.20	9.4	.05	9.6	.03
10.0	.04	10.2	-.05	10.6	.84	11.1	.46	11.7	.74	12.7	1.12
12.5	.90	12.9	.92	13.0	.86	13.4	1.13	13.6	1.16	14.0	1.28
14.8	1.36	15.7	1.32	16.5	1.22	17.3	1.24	18.2	1.06	19.0	1.02
19.0	1.86	20.1	.88	20.7	.93	20.9	.98	21.5	1.05	22.3	.94
23.2	.98	24.0	.86	24.8	.59	25.7	.74	26.5	.69	27.3	.55
28.2	.50	29.0	.53	29.8	.54	30.7	.43	9999.9	0.00	9999.9	0.00

CORE SK20-185(GM)

Sarkar et al 1990 (Nature, 343, 549)

10.0N 71.8E GM

5.0	-.81	5.8	-.82	6.7	-1.02	7.6	-.74	8.4	-.21	9.3	-.15
10.1	-.52	11.0	-.04	11.8	.64	12.6	.15	13.5	.51	14.4	.78
15.3	.87	16.2	.59	17.0	.87	17.9	.40	18.8	.65	20.1	.60
22.3	.57	24.6	.79	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE SK20-185(GR)

Sarkar et al 1990 (Nature, 343, 549)

10.0N 71.8E GR

5.0	-1.87	5.8	-2.84	6.7	-2.83	7.6	-1.90	8.4	-1.87	9.3	-1.17
10.1	-1.45	11.0	-1.37	11.8	-.61	12.6	-1.01	13.5	-.72	14.4	-.48
15.3	-.21	16.2	-.42	17.0	-.53	17.9	-.75	18.8	-.67	20.1	-.28
22.3	-.42	24.6	-.63	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE SK20-185(GB)

Sarkar et al 1990 (Nature, 343, 549)

10.0N 71.8E GB

5.0	-1.34	5.8	-1.72	6.7	-1.70	7.6	-1.41	8.4	-1.17	9.3	-.60
10.1	-.94	11.0	-.46	11.8	-.16	12.6	-.16	13.5	-.09	14.4	.08
15.3	.83	16.2	-.14	17.0	-.30	17.9	-.97	18.8	-.88	20.1	.34
22.3	.26	24.6	-.26	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE SK20-185(OV)

Sarkar et al 1990 (Nature, 343, 549)

10.0N 71.8E OV

5.0	-1.49	5.8	-1.61	6.7	-1.44	7.6	-1.38	8.4	-1.69	9.3	-1.67
10.1	-1.52	11.0	.01	11.8	.08	12.6	-.12	13.5	.38	14.4	.38
15.3	.43	16.2	.23	17.0	.31	17.9	.05	18.8	-.69	20.1	.65
22.3	.20	24.6	.22	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE SK20-185(PO)

Sarkar et al 1990 (Nature, 343, 549)

10.0N 71.8E PO

5.0	-.94	6.7	-.86	7.6	-1.04	8.4	-.58	10.1	-.11	11.0	-.04
12.6	.12	13.5	.55	14.4	.82	15.3	1.03	16.2	.85	17.9	1.13
18.8	1.13	20.1	.95	24.6	.95	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE SK20-186

Sarkar et al 1990 (Nature, 343, 549)

0.0N 68.5E GS

2.5	-1.37	5.0	-1.39	8.8	-1.10	9.7	-.65	10.5	-.51	11.4	-.49
12.2	-.57	13.1	-.47	17.0	-.32	20.5	0.00	24.0	.13	27.5	-.30
28.8	-.31	36.0	-.37	38.6	-.46	42.5	-.83	45.2	-.70	49.7	-.68
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE SU81-14(Large)

Bard et al 1989 (Quat Res, 31, 381) (*)

36.8N 9.9W GB

0.0	.40	1.6	.25	3.2	.12	4.8	.11	6.4	.10	7.9	.15
8.3	.20	8.6	.40	9.0	.62	9.3	1.00	9.6	1.18	9.8	1.90
10.1	1.85	10.4	1.23	10.6	1.05	10.9	.95	11.1	1.03	11.3	.75
11.6	.91	12.0	1.08	12.4	.92	12.9	1.60	13.3	2.28	13.8	2.08
14.2	2.50	14.6	2.48	15.0	1.95	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE SU81-14(Small)

Bard et al 1989 (Quat Res, 31, 381) (*)

36.8N 9.9W GB

0.0	-.10	1.6	.20	3.2	.38	4.8	.18	6.4	.17	7.9	.55
8.3	.20	8.6	.23	9.0	.62	9.3	1.15	9.6	1.42	9.8	2.10
10.1	1.85	10.4	2.00	10.6	1.05	10.9	1.20	11.1	.95	11.3	1.17
11.6	1.35	12.0	1.25	12.4	1.22	12.9	1.73	13.3	2.25	13.8	2.05
14.2	2.70	14.6	2.73	15.0	2.60	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE SU81-18

Bard et al 1987 (Nature, 328, 791) (*)

37.8N 10.2W GB

1.2	.20	1.9	.23	2.5	.26	3.1	.41	3.7	.43	4.2	.43
4.8	.43	5.3	.43	5.9	.42	6.5	.41	7.0	.62	7.6	.60
8.6	.61	9.1	1.13	9.5	1.50	10.0	1.62	10.5	1.59	11.0	1.48
11.3	1.27	11.6	1.10	11.9	1.03	12.2	1.04	12.5	2.20	12.8	2.25
13.1	2.23	13.4	2.18	13.7	2.50	14.0	2.66	14.6	2.70	14.9	2.78
15.2	2.72	15.5	2.43	16.4	2.46	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE TR126-23

Leventer et al 1982 (Earth Planet Sci Lett, 59, 113) (*)

82.0N 90.0E ??

0.0	+1.50	1.5	+1.35	3.1	+1.65	4.6	+1.45	6.2	+1.35	7.7	+1.60
9.8	-.85	10.8	-1.25	18.3	-1.20	13.8	-.60	15.4	-1.05	16.9	-.70
18.5	.30	21.5	-.35	23.1	-.15	26.2	-.65	27.7	-1.15	9999.9	0.00

CORE V12-122(GR)

Imbrie et al 1973 (Quat Res, 3, 10)

17.0N	74.4W	GR	0.0	-2.39	4.3	-2.47	8.5	-2.16	12.6	-1.35	17.0	-1.48	21.3	-1.15
25.6	-.32	29.8	-.40	34.1	-.37	38.4	-.58	42.6	-.82	46.9	-.52			
51.1	-.75	55.4	-.86	59.7	-.87	63.9	-.67	68.2	-.48	72.4	-.44			
76.7	-.91	81.0	-1.17	85.2	-1.24	93.8	-1.27	102.3	-1.79	110.6	-1.56			
119.3	-2.03	123.6	-1.92	127.9	-.51	132.1	-.07	136.4	.02	144.9	.16			
153.4	-.38	161.9	-.81	170.5	-.68	179.0	-1.53	187.5	-1.95	196.0	-1.41			
200.3	-1.02	204.6	-.85	208.8	-1.09	213.1	-1.56	217.3	-1.83	221.6	-1.61			
225.9	-.37	230.1	-.18	238.7	-.63	247.2	-.66	255.7	-1.47	264.2	-1.86			
272.8	-1.90	277.0	-2.43	281.3	-1.40	285.5	-.19	289.8	-.50	294.1	-.32			
298.3	-.64	306.8	-1.82	315.4	-1.38	319.6	-1.81	323.9	-1.65	328.2	-1.74			
332.4	-2.38	336.7	-2.32	340.9	-2.10	345.8	-1.93	349.5	-1.13	353.7	-.19			
358.0	.14	362.2	.07	366.5	-.17	370.8	-.41	375.0	-.47	383.6	-.47			
392.1	-1.03	400.6	-1.65	409.1	-1.90	413.4	-1.24	417.7	-1.22	421.9	-1.47			
426.2	-1.65	434.7	.15	439.0	.08	443.2	.04	451.7	-.32	460.3	-1.04			
464.5	-.75	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00			

CORE V12-122(GS)

Imbrie et al 1973 (Quat Res, 3, 10)

17.0N	74.4W	GS	0.0	-2.19	4.3	-2.16	8.5	-2.08	12.6	-.99	17.0	-.35	21.3	-.07
25.6	-.01	29.8	-.07	34.1	0.00	38.4	-.43	42.6	-.47	46.9	-.32			
51.1	-.46	55.4	-.47	59.7	-.37	63.9	-.37	68.2	-.30	72.4	-.34			
76.7	-.74	81.0	-.97	85.2	-.95	93.8	-.74	102.3	-1.34	110.6	-1.26			
119.3	-1.84	123.6	-1.48	127.9	-.59	132.1	-.17	136.4	-.18	144.9	.26			
153.4	-.16	161.9	-.46	170.5	-.51	179.0	-1.25	187.5	-1.61	196.0	-1.06			
200.3	-.63	204.6	-.52	208.8	-.91	213.1	-1.29	217.3	-1.55	221.6	-1.22			
225.9	-.17	230.1	-.03	238.7	-.22	247.2	-.42	255.7	-.98	264.2	-1.47			
272.8	-1.70	277.0	-2.02	281.3	-1.10	285.5	-.11	289.8	-.24	294.1	-.11			
298.3	-.36	306.8	-.80	315.4	-1.14	319.6	-1.45	323.9	-1.55	328.2	-1.49			
332.4	-2.11	336.7	-2.16	340.9	-2.00	345.8	-1.61	349.5	-.96	353.7	-.23			
358.0	.34	362.2	.31	366.5	-.12	370.8	-.38	375.0	-.43	383.6	-.40			
392.1	-.85	400.6	-1.43	409.1	-1.76	413.4	-1.82	417.7	-1.15	421.9	-1.11			
426.2	-1.22	434.7	.23	439.0	.24	443.8	.18	451.7	-.15	460.3	-.75			
464.5	-.44	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00			

CORE V14-81

Prell et al 1980 (Quat Res, 14, 309) (*)

29.4S	43.8E	GS	2.6	-.60	5.1	-.75	7.7	-.45	10.3	.05	12.9	0.00	15.4	-.20
18.0	.15	20.6	.25	23.1	-.40	25.7	-.45	28.3	-.45	30.9	-.15			
33.4	-.35	38.6	-.20	41.1	-.10	43.7	-.05	46.3	-.02	51.4	-.05			
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00			

CORE V14-101

Prell et al 1980 (Quat Res, 14, 309) (*)

8.6N	58.6E	GS	0.0	-1.70	1.3	-1.65	2.6	-1.70	3.9	-1.75	5.1	-1.65	7.7	-1.45
10.3	-1.30	12.9	-.60	15.4	-.65	18.0	-.30	20.6	-.75	23.1	-.90			
25.7	-.65	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00			

CORE V14-102

Prell et al 1980 (Quat Res, 14, 309) (*)

10.3N	57.8E	GS	4.5	-1.50	9.0	-.60	13.5	-.30	18.0	-.10	22.5	-.35	27.0	-.60
31.5	-.45	36.0	-.55	40.5	-.85	9999.9	0.00	9999.9	0.00	9999.9	0.00			

CORE V15-168

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

12N	39.9W	GS

-1.0	-1.60	.9	-1.90	2.0	-1.71	2.8	-1.66	3.7	-1.69	4.6	-1.51
5.7	-1.55	6.5	-1.61	7.5	-1.58	7.7	-1.62	8.1	-1.18	8.8	-1.15
9.5	-1.80	10.3	-1.00	11.0	-1.78	11.7	-1.94	12.7	-1.01	13.7	-1.18
14.7	.19	15.7	.35	16.8	.34	17.5	.15	21.0	.20	24.0	.02
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V19-28

Minkovich and Shackleton 1975 (Earth Planet Sci Lett, 27, 20) (*)

2.48 84.7W UP

0.0	3.20	2.6	3.15	5.3	3.15	7.9	3.45	10.5	3.50	13.1	3.60
15.8	3.62	18.4	4.36	21.0	4.30	23.6	4.45	26.3	4.46	28.9	4.85
31.5	4.90	34.1	4.90	36.8	4.80	39.4	4.76	42.0	4.87	44.6	4.78
47.3	4.70	49.9	4.80	52.5	4.60	55.1	4.58	57.8	4.45	60.4	4.48
63.0	4.50	65.6	4.58	68.3	4.54	70.9	4.30	73.5	4.48	76.1	4.30
78.8	4.40	81.4	4.55	84.0	4.26	86.6	4.45	89.3	4.28	91.9	4.24
94.5	4.32	97.1	4.20	99.8	4.21	102.4	4.67	105.0	4.69	107.6	4.67
110.3	4.58	112.9	4.32	115.5	4.18	118.2	3.80	120.8	3.79	123.4	4.08
126.0	4.20	128.7	3.95	131.3	3.93	133.9	4.00	136.5	3.93	139.2	3.98
141.8	3.72	144.4	3.61	147.0	3.40	149.7	4.10	152.3	3.73	154.9	4.30
157.5	4.14	160.2	4.68	162.8	4.72	165.4	4.97	168.0	4.66	170.7	4.62
173.3	4.70	175.9	4.61	178.5	4.62	181.2	4.75	186.4	4.46	191.7	4.70
196.9	4.50	199.5	4.50	204.8	4.48	207.4	4.52	210.0	3.97	212.7	4.05
215.3	3.70	217.9	3.33	220.5	3.72	223.2	4.10	225.8	4.50	228.4	4.30
231.1	4.12	233.7	3.90	236.3	3.55	238.9	3.70	241.6	4.35	244.2	4.75
246.8	4.55	249.4	4.53	252.1	4.53	254.7	4.61	257.3	4.48	259.9	4.58
262.6	3.65	265.8	4.48	267.8	4.45	273.1	4.19	278.3	3.80	280.9	3.72
286.2	3.70	288.8	4.06	294.1	3.90	296.7	3.84	299.3	3.88	301.9	3.12
304.6	3.67	309.8	3.96	315.1	4.68	317.7	4.85	320.3	4.80	322.9	4.81
328.2	4.60	333.4	4.55	338.7	4.47	341.3	4.41	346.6	4.26	349.8	4.32
357.1	4.12	362.3	4.20	367.6	4.07	370.3	3.92	373.9	3.95	375.5	3.90
380.7	3.50	383.3	3.40	388.6	3.13	391.8	3.14	393.8	3.35	396.5	3.38
399.1	3.20	404.3	3.58	407.0	3.61	412.9	4.08	414.8	4.22	417.5	4.50
420.1	4.86	422.7	4.82	425.3	5.00	428.0	5.10	9999.9	0.00	9999.9	0.00

CORE V19-29

Minkovich and Shackleton 1975 (Earth Planet Sci Lett, 27, 20) (*)

3.68 83.9W UP

0.0	3.86	1.7	3.84	3.5	3.33	5.8	3.89	6.9	3.23	8.6	3.45
10.4	3.65	12.1	3.77	13.8	4.20	15.6	4.55	17.3	4.78	19.0	4.90
20.8	4.95	22.5	4.88	24.2	4.77	25.9	4.73	27.7	4.83	29.4	4.80
31.1	4.92	32.9	4.88	34.6	4.81	36.3	4.76	38.0	4.75	39.8	4.89
41.5	4.77	43.2	4.60	45.0	4.70	46.7	4.72	48.4	4.60	50.2	4.68
51.9	4.48	53.6	4.48	55.3	4.48	57.1	4.60	58.8	4.47	60.5	4.38
62.3	4.32	64.0	4.49	65.7	4.50	67.4	4.47	69.2	4.38	70.9	4.27
72.6	4.30	74.4	4.32	76.1	4.38	77.8	4.45	79.5	4.38	81.3	4.43
83.0	4.41	84.7	4.73	86.5	4.70	88.2	4.75	89.9	4.75	91.7	4.76
93.4	4.76	95.1	4.55	96.8	4.73	98.6	4.48	100.3	4.29	102.0	4.30
103.8	4.30	105.5	4.31	107.2	4.10	108.9	4.23	110.7	4.07	112.4	3.89
114.1	3.96	115.9	3.93	117.6	4.12	119.3	4.28	121.1	4.38	122.8	4.32
124.5	4.25	126.2	3.90	128.0	3.90	129.7	3.90	131.4	4.23	133.8	4.20
134.9	4.27	136.6	3.95	138.3	3.80	140.1	3.40	141.8	3.30	143.5	3.20
145.3	3.58	147.0	3.73	148.7	3.73	150.5	4.75	152.2	4.80	153.9	4.90
155.6	4.92	157.4	4.87	159.1	4.85	160.8	4.86	162.6	4.77	164.3	4.78
166.0	4.72	167.7	4.88	169.5	4.90	172.9	4.96	174.7	4.92	176.4	4.88
176.1	4.74	179.9	4.73	181.6	4.73	183.3	4.74	185.0	4.80	186.8	4.75
186.5	4.53	190.2	4.46	192.0	4.53	193.7	4.52	195.4	4.71	197.1	4.60
196.9	4.68	202.3	4.75	204.1	4.75	207.5	4.84	209.8	3.96	211.0	3.63
212.7	3.50	214.4	3.92	216.2	3.73	217.9	3.70	219.6	3.50	221.4	3.85
223.1	4.25	224.8	4.54	226.5	4.52	228.3	4.45	230.0	4.25	231.7	3.98
233.5	3.70	235.3	3.58	236.9	4.21	238.6	4.53	240.4	3.70	242.1	4.71

243.8	4.52	245.6	4.53	247.3	4.62	249.0	4.61	250.8	4.61	252.5	4.76
254.8	4.74	255.9	4.63	257.7	4.62	259.4	4.60	261.1	4.60	262.9	4.50
264.6	4.54	266.3	4.28	268.0	4.42	269.8	4.00	271.5	3.98	273.8	3.86
275.0	3.67	276.7	4.13	278.4	4.28	280.2	4.29	281.9	4.46	283.6	4.43
285.3	4.28	287.1	3.85	288.8	3.96	290.5	3.95	291.9	0.00	299.9	0.00

CORE V19-30

Shackleton et al 1983 (Earth Planet Sci Lett, 65, 233)

3.4S 83.4W UP

0.0	3.51	3.5	3.48	3.48	3.31	3.45	3.43	3.48	3.27	3.4	3.40
2.7	3.39	3.9	3.29	3.58	3.56	4.1	3.56	4.5	3.52	4.9	3.53
5.1	3.46	5.4	3.48	5.8	3.46	6.1	3.85	6.4	3.69	6.7	3.81
7.1	3.42	7.4	3.98	7.7	3.90	8.0	3.87	8.4	3.89	8.7	4.38
9.0	4.10	9.3	4.26	9.7	4.16	10.0	4.44	10.4	4.73	10.9	4.64
11.5	4.84	11.9	4.91	12.3	4.92	12.8	4.83	13.2	4.79	13.6	5.22
13.9	5.20	14.1	5.08	14.4	4.99	14.7	5.15	14.9	5.13	15.2	5.00
15.5	4.98	15.7	4.87	16.0	5.12	16.3	5.14	16.7	4.96	17.1	4.95
17.3	5.07	17.6	5.10	17.9	4.89	18.1	5.05	18.4	4.99	18.7	5.00
18.9	4.89	19.2	4.89	19.5	4.96	19.7	4.96	20.0	4.98	20.3	4.93
20.5	4.93	20.8	5.12	21.1	4.96	21.3	4.97	21.6	4.94	21.9	4.87
22.1	4.96	22.4	5.05	22.7	4.91	22.9	4.78	23.2	4.92	23.5	5.06
23.7	4.92	24.0	4.83	24.3	4.76	24.5	4.81	24.8	4.81	25.1	4.87
25.3	4.76	25.6	4.84	25.9	4.73	26.1	4.62	26.4	4.55	26.7	4.53
26.9	4.69	27.2	4.64	27.5	4.67	27.7	4.63	28.0	4.35	28.6	4.56
28.1	4.52	29.7	4.59	30.2	4.56	30.8	4.65	31.3	4.63	31.9	4.62
32.5	4.53	33.0	4.60	33.6	4.64	34.1	4.74	34.7	4.65	35.0	4.72
35.8	4.52	36.9	4.55	37.5	4.50	38.0	4.49	38.6	4.41	39.1	4.59
39.7	4.49	40.3	4.65	40.8	4.63	41.4	4.71	42.5	4.47	43.0	4.53
43.6	4.53	44.2	4.58	44.7	4.62	45.8	4.59	49.2	4.52	49.7	4.68
50.3	4.66	51.4	4.34	52.0	4.39	52.5	4.36	53.1	4.26	53.6	4.54
54.8	4.54	55.3	4.48	55.9	4.49	56.4	4.51	57.0	4.54	57.5	4.61
58.1	4.57	58.7	4.55	59.2	4.46	60.0	4.45	60.1	4.42	60.3	4.06
60.9	4.20	61.4	4.33	62.0	4.31	62.4	4.40	62.8	4.14	63.2	4.48
63.6	4.46	64.0	4.44	64.4	4.70	64.8	4.69	65.2	4.60	65.6	4.51
66.0	4.69	66.4	4.62	66.8	4.53	67.2	4.65	68.0	4.63	68.6	4.69
69.2	4.61	69.5	4.57	69.9	4.66	70.3	4.61	70.7	4.56	71.1	4.58
71.5	4.66	71.9	4.60	72.3	4.47	73.1	4.63	73.5	4.59	73.9	4.48
74.3	4.45	74.7	4.41	75.1	4.45	75.5	4.47	76.0	4.50	76.4	4.53
76.8	4.18	77.2	4.20	77.6	4.26	78.0	4.38	78.4	4.34	78.8	4.18
79.2	4.22	79.6	4.17	80.0	4.13	80.4	4.05	80.8	4.03	81.2	4.04
81.6	3.99	82.0	3.94	82.8	4.03	83.7	4.03	84.5	4.17	85.3	4.18
86.1	4.29	87.0	4.32	87.8	4.36	88.6	4.43	89.5	4.23	90.3	4.38
91.1	4.33	92.2	4.12	93.0	4.09	93.9	4.06	94.7	4.19	95.5	4.12
96.4	4.03	97.2	4.01	98.0	4.04	98.8	4.05	99.7	4.07	100.5	3.98
101.3	4.17	102.8	4.24	103.3	4.20	104.1	4.21	104.9	4.14	106.3	4.58
106.8	4.29	107.7	4.34	108.6	4.39	109.6	4.37	110.4	4.01	111.5	4.01
112.4	3.98	113.2	3.77	114.3	3.71	115.1	4.00	116.0	3.55	117.1	3.41
117.9	3.36	118.7	3.47	119.6	3.42	120.7	3.22	121.5	3.59	122.6	3.41
123.4	3.35	124.2	3.45	125.3	3.58	126.2	3.53	127.0	4.41	128.1	4.23
128.9	4.00	129.8	4.48	132.5	4.42	133.6	4.85	134.5	3.88	135.5	4.20
136.4	4.73	137.2	4.87	138.0	4.66	139.1	4.77	140.0	5.33	140.8	5.22
141.9	4.98	142.7	5.07	143.6	4.90	144.7	4.42	145.5	4.94	146.3	4.91
147.4	4.91	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V19-178

Prell et al 1980 (Quat Res, 14, 309) (*)

8.1N 73.3E GS

0.0	-1.95	2.3	+2.05	4.5	-2.30	9.0	-1.65	13.5	-1.45	18.0	-1.05
32.5	-1.75	27.0	-1.20	31.5	-1.15	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V19-185

Prell et al 1980 (Quat Res, 14, 309) (*)

6.7N 59.3E GR

0.0	-2.00	3.0	-1.85	6.0	-1.55	12.0	-1.05	18.0	-.65	24.0	-.85
30.0	-1.05	36.0	-1.15	42.0	-1.05	48.0	-1.70	9999.9	0.00	9999.9	0.00

CORE V19-188

Prell et al 1980 (Quat Res, 14, 309) (*)

6.9N 60.7E GS

3.6	-1.65	7.2	-1.65	9.0	-1.35	10.8	-.60	12.6	-.50	14.4	-.35
16.2	-.80	18.0	-.85	19.8	-.15	21.6	-.30	23.4	-.80	25.2	-.56
27.0	-.55	28.8	-.35	30.6	-.55	32.4	-.45	34.2	-.85	36.0	0.00

CORE V19-202

Prell et al 1980 (Quat Res, 14, 309) (*)

6.7S 41.2E GR

0.0	-1.60	6.0	-1.60	12.0	-1.30	18.0	-.35	24.0	-.65	30.0	-.85
36.0	-1.10	42.0	-1.05	48.0	-.75	54.0	-1.05	60.0	-1.25	9999.9	0.00

CORE V19-204(GS)

Prell et al 1980 (Quat Res, 14, 309) (*)

10.7S 43.8E GS

0.0	-1.50	4.5	-1.00	9.0	-.20	27.0	-1.00	36.0	-.95	45.0	-1.10
54.0	-.95	63.0	-1.00	72.0	-.95	81.0	-1.30	9999.9	0.00	9999.9	0.00

CORE V19-204(PO)

Prell et al 1980 (Quat Res, 14, 309) (*)

10.7S 43.8E PO

0.0	-1.00	4.5	-.05	9.0	0.00	18.0	-.05	27.0	-.20	9999.9	0.00
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CORE V19-240

Thierstein et al 1977 (Geology, 5, 400) (*)

30.6S 13.3E GI

0.0	.75	4.3	.80	8.5	1.80	12.8	1.30	17.0	1.90	21.3	2.40
25.5	2.15	29.8	2.30	34.0	1.90	38.3	1.70	42.5	1.90	46.8	2.20
51.0	1.70	55.3	2.10	59.6	1.50	63.8	1.80	68.1	1.80	76.6	2.05
85.1	1.25	89.3	1.40	93.6	1.15	97.8	1.25	106.3	1.55	114.9	1.35
119.1	1.60	127.6	.65	131.9	.70	136.1	.90	144.6	1.95	148.9	2.20
153.1	1.95	157.4	2.15	161.7	2.15	165.9	2.30	170.2	1.95	174.4	1.95
178.7	1.75	182.9	1.65	187.2	1.75	191.4	1.95	195.7	1.85	199.9	1.45
204.2	1.25	208.4	1.35	212.7	1.15	217.0	1.10	221.2	1.60	225.5	1.70
229.7	1.55	234.0	1.30	242.5	2.00	246.7	2.00	251.0	2.35	255.2	2.35
259.5	2.15	263.7	2.20	268.0	2.50	272.3	1.90	276.5	1.60	280.8	1.68
285.0	1.45	289.3	1.70	297.8	1.45	302.0	1.40	306.3	1.45	310.5	1.20
327.6	1.75	331.8	2.35	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V20-170

Prell et al 1980 (Quat Res, 14, 309) (*)

21.6S 69.8E GS

4.5	-.95	9.0	-.55	13.5	-.15	18.0	-.65	27.0	-.60	36.0	-.85
45.0	-1.00	54.0	-1.05	63.0	-1.15	72.0	-.70	81.0	-.90	9999.9	0.00

CORE V20-175

Prell et al 1980 (Quat Res, 14, 309) (*)

22.3S 68.0E GS

0.0	-.95	4.5	-.70	9.0	-.65	18.0	-.15	27.0	-.60	36.0	-.65
45.0	-1.05	54.0	-1.05	72.0	-.55	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V22-38

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

9.68	34.3W	GS												
0.0	-1.06	.7	-1.18	1.8	-.96	8.5	-1.21	3.8	-1.20	4.8	-1.14			
5.3	-1.06	6.0	-1.20	7.6	-.80	8.7	-1.79	10.3	-1.70	11.3	-1.68			
18.9	.03	14.0	-.05	16.3	-.03	17.8	.10	20.6	-.05	21.7	-.07			
24.0	-.12	85.5	-.21	87.8	-.31	89.4	-.52	91.7	-.34	93.2	-.57			
35.5	-.15	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00			

CORE V22-174

Thierstein et al 1977 (Geology, 5, 400) (*)

10.15	12.8W	GS												
0.0	-.85	9.7	-.60	21.9	.65	24.4	.50	26.8	.60	29.2	.67			
31.7	.66	34.1	.52	39.0	.50	43.9	.30	53.6	.40	58.5	.33			
68.2	.10	73.1	.02	78.0	.05	82.8	0.00	87.7	.10	92.6	-.08			
95.0	-.10	97.5	-.45	99.9	-.12	102.3	-.55	112.1	-.30	116.9	-.30			
121.8	-.57	126.7	-.57	131.6	-.58	136.4	-.80	141.3	-.70	146.2	-.55			
151.1	.40	160.8	.60	165.7	.57	170.5	.40	175.4	.01	180.3	-.01			
190.0	-.35	204.7	-.90	209.5	-.85	214.4	-.57	219.3	-.75	229.0	-.15			
238.8	-.75	248.5	.20	253.4	.30	263.1	.02	268.0	.30	278.9	-.25			
277.7	-.30	282.6	-.10	287.5	-.14	297.2	-.70	302.1	-.57	307.0	-.99			
316.7	.30	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00			

CORE V22-177

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

7.85	14.6W	GS												
.7	-1.31	1.8	-1.21	2.5	-1.20	3.6	-1.55	4.3	-1.89	8.4	-1.85			
6.1	-1.14	7.2	-1.16	7.9	-1.13	8.9	-.94	9.5	-1.16	11.1	-.50			
11.5	-.38	11.7	-.16	12.1	-.03	12.3	-.07	12.7	-.14	13.8	-.06			
14.6	.11	15.4	.30	16.0	.33	16.8	.50	17.6	.11	18.6	.24			
19.5	.29	20.5	.08	21.4	.26	22.4	.14	23.4	.20	24.3	.22			
25.3	-.35	26.2	-.18	27.2	-.23	28.2	-.17	29.1	-.23	9999.9	0.00			

CORE V22-182

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

.6N	17.3W	GS												
0.0	-.97	1.1	-.88	2.2	-1.86	3.3	-1.87	4.4	-1.09	5.6	-.99			
6.7	-.94	7.8	-.76	8.9	-.62	9.9	-.69	10.9	-.14	11.9	-.16			
13.0	.13	14.1	.43	15.2	.44	15.9	.46	16.7	.30	17.4	.43			
18.2	.48	18.9	.39	19.7	.38	20.4	.24	21.2	.21	9999.9	0.00			

CORE V22-197

Bloemendal et al 1988 (Paleoceanography, 3, 617) (*)

14.2N	18.6W	MB												
.9	3.35	1.7	3.32	2.6	3.49	3.4	3.51	4.3	3.55	5.1	3.10			
6.0	3.50	6.9	3.60	7.7	3.82	8.6	3.40	9.4	4.20	10.3	4.05			
11.2	3.80	18.9	3.98	14.6	4.60	16.3	4.38	17.2	4.95	18.8	5.18			
20.6	5.21	22.3	5.03	24.0	5.18	25.7	5.82	27.5	5.06	29.8	5.09			
30.9	4.80	32.6	4.81	34.3	4.83	36.0	4.75	37.8	4.80	39.5	4.52			
41.2	4.50	42.9	4.78	44.6	4.80	46.3	4.68	48.1	4.73	49.8	4.78			
51.5	4.78	53.2	4.80	54.9	4.70	56.6	4.53	58.4	4.41	60.1	4.65			
61.8	4.55	63.5	4.56	65.2	4.49	66.9	4.75	68.6	4.81	70.4	4.70			
72.1	4.42	73.8	4.40	75.5	4.43	77.2	4.60	78.9	4.62	80.7	4.50			
82.4	4.28	84.1	4.16	85.0	4.30	86.8	3.90	87.6	4.12	89.8	4.40			
91.0	4.39	92.7	4.16	94.4	4.35	96.1	4.20	97.8	4.00	99.5	4.25			
101.3	4.05	103.0	4.28	104.7	4.39	106.4	4.30	108.1	4.31	109.8	4.13			
111.6	3.75	113.3	3.50	115.0	3.48	116.7	3.80	118.4	3.20	120.1	3.49			
121.9	3.50	123.6	4.16	125.3	4.28	127.0	4.53	128.7	4.53	130.4	4.66			
132.1	5.13	133.9	5.03	135.6	5.38	136.4	5.31	137.3	5.38	139.0	5.86			
140.7	4.93	142.4	4.93	144.0	4.80	145.9	4.70	147.6	4.78	149.3	4.90			
151.0	4.96	152.7	4.90	154.5	4.42	156.2	4.75	157.9	4.78	159.6	4.65			
161.3	4.48	163.0	4.82	164.8	4.76	166.5	4.59	168.2	4.75	169.9	4.82			

171.6	4.70	173.3	4.75	175.1	4.68	176.8	4.80	178.5	4.70	180.2	4.50
181.9	4.16	183.6	4.08	185.4	3.70	187.1	3.80	188.8	4.00	190.5	3.90
192.2	3.60	193.9	3.52	195.6	3.78	197.4	4.23	199.1	4.61	200.8	4.62
203.4	4.40	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V22-222

Mix et al 1986 (Paleoceanography, 1, 43)

28.9N 43.7W GR

0.0	-.87	4.0	-1.27	7.6	-.59	8.2	-.26	8.9	-.17	9.5	-.22
10.2	-.14	10.8	-.07	11.4	-.40	12.1	-.40	12.7	-.29	14.0	.29
14.5	.20	15.0	.14	15.5	.35	16.0	.24	16.5	.15	19.0	-.14
21.5	.16	24.0	-.11	26.5	-.05	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V23-23

Mix and Fairbanks 1985 (Earth Planet Sci Lett, 73, 231) (*)

56.1N 44.6W NP

0.0	2.70	3.0	2.80	6.0	2.50	9.0	3.85	12.0	3.30	15.0	3.00
18.0	3.20	21.0	4.30	24.0	4.80	27.0	4.45	30.0	3.45	33.0	3.80
39.0	3.80	42.0	3.50	45.0	3.70	48.0	3.85	51.0	3.95	54.0	3.15
57.0	3.40	60.0	3.30	63.0	3.65	66.0	3.25	69.0	3.60	72.0	3.50
75.0	3.75	78.0	3.10	81.0	2.85	84.0	2.95	87.0	3.40	90.0	3.25
93.0	3.35	99.0	3.15	102.0	3.15	105.0	3.30	108.0	3.10	111.0	3.20
114.0	3.20	117.0	2.60	120.0	1.85	123.0	2.05	126.0	3.60	138.0	3.80
144.0	4.45	150.0	4.50	156.0	4.15	171.0	3.45	177.0	3.50	9999.9	0.00

CORE V23-100

Thierstein et al 1977 (Geology, 5, 400) (*)

21.3N 22.7W MX

0.0	1.10	16.0	.30	25.1	.50	33.5	1.90	41.9	1.40	50.3	1.50
58.6	.95	67.0	1.05	75.4	.80	83.8	.90	92.1	.80	100.5	.90
108.9	.55	117.3	.75	125.6	.15	134.0	.20	142.4	1.40	150.8	1.30
159.1	1.30	167.5	.90	175.9	1.50	184.3	1.20	201.0	1.60	217.8	.20
226.1	.25	234.5	.40	242.9	.30	259.6	1.30	268.0	1.15	276.4	.90
393.1	.80	301.5	.60	309.9	1.00	326.6	.40	335.0	.50	351.8	.30
360.1	1.60	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V23-110

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59) (*)

17.6N 45.9W GS

0.0	-.72	2.0	-.95	4.0	-1.28	6.0	-1.05	7.3	-.82	8.7	-.66
10.0	-.50	11.3	-.76	12.7	-.82	14.0	-.01	15.0	-.24	16.0	-.17
17.0	-.43	18.0	-.42	19.0	-.57	20.0	-.57	21.0	-.20	22.0	-.27
23.0	-.27	24.0	-.41	25.0	-.84	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V25-56(Large)

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59) (*)

3.6S 35.2W GS

3.5	-1.35	4.6	-1.46	5.8	-1.45	7.1	-1.39	8.0	-1.25	9.0	-1.12
9.7	-1.01	10.5	-.96	11.2	-.56	12.0	-.63	12.9	-.25	13.8	.18
14.6	.12	15.5	.05	16.5	.08	17.2	.08	18.0	.19	18.9	.01
19.7	0.00	20.6	.15	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V25-56(Small)

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59) (*)

3.6S 35.2W GS

0.0	-1.82	3.5	-1.80	4.6	-1.73	5.8	-1.62	6.9	-1.65	8.0	-1.44
9.0	-1.49	9.7	-1.12	10.5	-.99	11.2	-.80	12.0	-.80	12.9	-.36
13.8	-.08	14.6	.03	15.5	0.00	16.3	.07	17.2	.10	18.0	-.03
16.9	-.17	20.6	-.26	21.4	-.12	22.3	0.00	23.1	-.16	24.0	-.21
25.3	-.29	26.5	-.32	27.8	-.29	29.0	-.38	30.3	-.28	31.5	-.44

9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00
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CORE V25-59(CW)

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

1.4N 33.5W CW

0.0	2.68	.8	2.58	2.0	2.41	2.8	2.63	4.1	2.56	6.1	2.78
6.8	2.87	7.7	2.75	8.2	2.94	9.1	2.98	9.7	2.83	10.6	3.50
11.1	3.08	12.0	3.77	13.6	3.60	14.2	3.51	15.6	4.07	15.8	4.23
16.3	4.28	16.7	4.29	17.6	4.35	18.9	4.18	19.7	4.15	21.0	3.93
21.8	3.90	22.9	3.84	23.6	3.76	24.7	3.80	25.4	3.90	26.5	3.86
27.2	3.56	28.3	3.72	29.0	3.61	30.1	3.62	9999.9	0.00	9999.9	0.00

CORE V25-59(GS)

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

1.4N 33.5W GS

.8	-1.33	2.0	-1.42	2.8	-1.25	4.1	-1.13	4.9	-1.28	6.1	-1.11
6.8	-1.63	7.7	-1.18	8.2	-1.67	9.1	-1.62	10.6	-1.40	11.1	-1.11
12.6	-1.16	13.6	.10	14.2	.16	15.2	.15	15.6	.41	15.8	.15
16.0	.32	16.3	.03	16.4	.26	16.7	.35	16.9	.14	17.6	.10
18.9	.25	19.7	.28	21.0	.63	21.8	0.00	22.9	.16	9999.9	0.00

CORE V25-59(ND)

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

1.4N 33.5W ND

.8	-.18	2.0	-.41	2.8	-.27	4.1	-.05	4.9	-.16	6.1	-.18
6.8	.06	7.7	.39	8.2	.15	9.1	.77	10.6	.44	11.1	.58
12.0	.73	12.6	.76	13.6	.61	14.2	.99	15.2	.95	15.6	.91
15.8	.88	16.0	.98	16.3	.78	16.4	.88	16.7	.83	16.9	.84
17.6	.76	18.9	.58	19.7	.60	21.0	.70	21.8	.64	22.9	.59
23.6	.58	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V25-60

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

3.3N 34.8W GS

2.2	-1.08	3.1	-1.29	4.8	-1.34	5.1	-1.50	6.2	-1.57	6.9	-1.23
7.9	-.79	8.6	-.62	9.3	-.89	9.7	-.64	10.0	-.82	11.1	-.54
12.5	-.26	13.3	.12	15.2	.19	15.6	.13	17.3	-.01	18.4	-.05
20.1	-.03	21.2	.02	22.9	.09	24.0	-.28	26.8	-.12	28.5	.38
29.6	-.48	30.7	-.18	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V25-75(GS)

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

8.6N 53.8W GS

0.0	-1.84	1.1	-1.51	1.5	-1.74	3.1	-1.56	3.8	-1.62	4.6	-1.72
6.1	-1.39	6.9	-1.48	7.6	-1.34	9.1	-1.16	9.7	-.97	10.4	-.79
11.1	-1.07	11.8	-1.14	12.4	-.37	13.1	.09	13.8	.07	14.4	-.22
15.3	-.04	16.3	-.06	17.2	-.25	18.8	.02	19.2	.17	20.1	.22
21.1	.16	22.1	.20	23.0	.06	24.0	.11	9999.9	0.00	9999.9	0.00

CORE V25-75(UG)

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

8.6N 53.8W UG

0.0	2.99	1.5	3.04	3.1	2.99	4.6	2.93	6.1	3.10	9.1	3.36
10.4	3.68	11.8	3.79	15.1	4.30	14.4	4.44	9999.9	0.00	9999.9	0.00

CORE V28-122

Oppo and Fairbanks 1987 (Earth Planet Sci Lett, 86, 1)

11.9N 78.7E CD

.8	2.37	.5	2.30	1.5	2.33	2.8	2.31	2.8	2.26	7.5	2.31
4.8	2.46	4.9	2.46	5.5	2.48	6.0	2.48	6.2	2.41	7.6	2.38

Page 1 of 27

7000 8000 9000 GDP

CORE V28-238(GS)

Shackleton and Opdyke 1973 (Quat Revn 3, 39) (3)

ON 160.5M 60

1.8	-1.90	3.0	-12.20	6.1	-2.80	9.1	-1.96	12.2	-12.04	15.8	-1.16
18.3	-1.46	21.3	-11.32	24.3	-1.24	27.4	-1.32	30.4	-1.42	33.8	-1.37
36.4	-1.50	39.5	-11.48	42.6	-1.62	45.6	-1.54	48.7	-1.68	51.7	-1.66
54.6	-1.74	57.8	-1.70	60.8	-1.66	63.9	-1.68	66.9	-1.60	70.0	-1.48
73.0	-1.54	76.0	-1.78	79.1	-1.94	82.1	-1.82	85.2	-1.14	88.2	-1.18
91.3	-1.98	94.3	-12.10	97.3	-2.08	100.4	-2.04	103.4	-2.14	106.5	-2.04
109.5	-12.03	112.5	-2.13	115.6	-2.08	118.6	-2.04	121.7	-2.34	124.7	-1.82
127.8	-12.42	130.8	-2.28	133.8	-1.62	139.9	-1.40	146.0	-1.85	152.1	-1.18
158.2	-1.11	164.3	-1.05	170.3	-1.33	176.4	-1.65	182.5	-1.45	188.6	-1.95
194.7	-1.40	200.8	-1.30	206.8	-2.05	212.9	-1.98	219.0	-1.94	225.1	-1.90
231.8	-12.13	237.3	-11.80	243.3	-1.43	249.4	-12.05	255.5	-11.95	261.6	-11.65
267.7	-11.31	273.8	-11.50	279.8	-1.33	285.9	-1.02	292.0	-1.67	298.1	-1.80
304.2	-1.55	310.3	-11.70	316.3	-2.20	322.4	-12.20	328.5	-12.05	334.6	-1.80
340.7	-12.30	346.8	-12.35	352.8	-2.10	358.9	-12.30	365.0	-11.05	371.1	-11.80
377.2	-11.40	383.3	-1.95	389.3	-1.90	395.4	-2.05	401.5	-2.00	407.6	-1.90
413.7	-2.10	419.8	-2.00	425.8	-2.20	431.9	-2.35	438.0	-2.10	444.1	-1.85
450.2	-18.13	456.3	-2.20	462.3	-1.02	468.4	-1.98	474.5	-1.35	480.6	-1.80
486.7	-1.40	492.8	-1.70	498.8	-2.05	504.9	-2.20	511.0	-2.00	517.1	-1.80
523.2	-11.90	529.3	-11.80	535.3	-1.60	547.5	-1.45	553.6	-1.50	559.7	-11.35
565.8	-11.80	571.8	-11.75	577.9	-2.00	584.0	-2.30	590.1	-11.60	596.8	-11.80
602.3	-12.10	608.3	-11.80	614.4	-2.05	620.5	-1.40	626.6	-1.90	632.7	-11.07
638.8	-11.07	644.8	-1.40	650.9	-1.15	657.0	-1.60	663.1	-1.75	669.2	-11.60
675.3	-11.50	681.3	-1.05	687.4	-1.15	693.5	-1.60	699.6	-1.50	705.7	-11.30
711.8	-11.35	717.8	-11.55	723.9	-1.80	730.0	-2.02	736.1	-1.60	742.2	-11.15
748.3	-1.00	754.3	-1.35	760.4	-1.55	766.5	-1.65	772.6	-1.75	778.7	-11.85
784.8	-11.70	790.8	-11.90	796.9	-1.85	803.0	-1.90	809.1	-11.85	815.8	-11.85
821.3	-11.20	827.3	-11.25	833.4	-1.20	839.5	-1.50	845.6	-11.50	851.7	-11.60
857.8	-11.65	863.8	-11.20	869.9	-1.35	876.0	-1.85	882.1	-11.90	888.8	-11.60
894.3	-11.65	900.3	-11.92	906.4	-1.88	912.5	-1.96	918.6	-11.87	924.7	-11.45
930.8	-2.00	936.8	-11.98	942.9	-1.70	949.0	-1.65	955.1	-11.80	961.2	-11.65
967.3	-11.60	973.3	-11.60	979.4	-1.90	999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V28-238 (PW)

Shackleton and Opdyke 1973 (Quat Res, 3, 39) (*)

1. ON 160.5E PW

3.0	2.98	6.1	3.00	21.13	4.48	24.3	4.38	67.4	4.29	30.4	4.23
33.5	4.18	36.5	3.98	29.5	4.08	42.6	3.86	45.6	3.88	48.7	3.94
51.7	3.88	54.6	3.78	57.8	3.73	60.8	3.90	66.9	3.80	70.0	3.4
73.0	39.96	76.0	4.09	79.1	3.69	82.1	3.44	85.6	3.60	88.4	4.18
91.1	41.64	94.3	3.38	97.5	3.52	100.4	3.11	105.0	3.03	110.0	3.00
115.6	53.10	118.6	5.89	121.7	6.86	124.7	6.55	127.0	6.89	130.0	6.50
199.9	60.00	299.9	6.00	299.9	6.00	299.9	6.00	299.9	6.00	299.9	6.00

CORE V28-239

Shackleton and Opdyke 1976 (Geol Soc Am Mem, 145, 449) (*)

3.3N 159.2E GS												
15.1	-1.70	80.2	-1.60	30.2	-1.00	35.3	-1.00	40.3	-1.05	45.4	-1.90	
50.4	-1.10	85.4	-1.20	60.5	-1.25	65.5	-1.10	70.5	-1.20	75.6	-1.90	
80.6	-1.95	85.7	-1.45	90.7	-1.50	95.7	-1.70	100.8	-1.50	110.9	-1.50	
115.9	-1.70	121.3	-1.55	132.8	-1.65	137.6	-1.60	148.6	-1.70	153.9	-1.55	
159.4	-1.60	164.8	-1.75	175.7	-1.00	186.5	-1.90	191.9	-1.00	197.4	-1.10	
202.6	-1.50	208.2	-1.35	213.7	-1.25	219.1	-1.30	224.5	-1.20	230.0	-1.25	
235.4	-1.40	240.8	-1.25	257.1	-1.65	268.6	-1.70	268.6	-1.70	273.0	-1.90	
282.9	-1.20	292.8	-1.05	302.8	-1.40	312.7	-1.25	322.6	-1.20	332.6	-1.50	
342.5	-1.70	352.5	-1.40	362.4	-1.10	372.3	-1.40	382.3	-1.15	392.2	-1.15	
402.1	-1.80	412.1	-1.40	422.0	-1.90	431.9	-1.70	441.9	-1.00	451.8	-1.30	
461.7	-1.10	471.7	-1.10	481.6	-1.10	491.5	-1.70	501.5	-1.90	511.4	-1.15	
521.4	-1.50	531.3	-1.00	541.2	-1.30	551.2	-1.15	561.1	-1.25	571.0	-1.10	
581.0	-1.25	590.9	-1.10	600.8	-1.40	610.8	-1.50	620.7	-1.60	630.6	-1.90	
640.6	-1.85	650.5	-1.35	660.5	-1.15	670.4	-1.85	680.3	-1.55	690.3	-1.00	
700.2	-1.75	710.1	-1.95	720.1	-1.70	730.0	-1.15	739.1	-1.70	748.3	-1.80	
757.4	-1.00	766.5	-1.25	775.7	-1.05	784.8	-1.40	793.9	-1.60	803.0	-1.00	
812.2	-1.60	821.3	-1.05	830.4	-1.45	839.6	-1.25	848.7	-1.35	857.8	-1.30	
867.0	-1.15	876.1	-1.00	885.2	-1.40	894.3	-1.05	903.5	-1.85	912.6	-1.10	
921.7	-1.25	930.9	-1.45	940.0	-1.30	953.0	-1.10	966.0	-1.40	979.0	-1.00	
992.0	-1.70	1005.0	-1.00	1018.0	-1.30	1031.0	-1.15	1044.0	-1.25	1057.0	-1.05	
1070.0	-1.80	1083.0	-1.95	1096.0	-1.40	1109.0	-1.95	1122.0	-1.15	1135.0	-1.70	
1148.0	-1.15	1161.0	-1.15	1174.0	-1.80	1187.0	-1.90	1200.0	-1.10	1213.0	-1.30	
1226.0	-1.05	1239.0	-1.20	1252.0	-1.70	1265.0	-1.15	1278.0	-1.05	1291.0	-1.20	
1304.0	-1.20	1317.0	-1.95	1330.0	-1.20	1343.0	-1.45	1356.0	-1.25	1369.0	-1.95	
1382.0	-1.50	1395.0	-1.90	1408.0	-1.00	1421.0	-1.70	1434.0	-1.95	1447.0	-1.25	
1460.0	-1.10	1473.0	-1.00	1486.0	-1.30	1499.0	-1.15	1512.0	-1.30	1525.0	-1.85	
1538.0	-1.80	1551.0	-1.70	1564.0	-1.00	1577.0	-1.15	1590.0	-1.20	1603.0	-1.10	
1616.0	-1.90	1629.0	-1.20	1642.0	-1.05	1655.0	-1.20	1668.0	-1.90	1681.0	-1.00	
1694.0	-1.80	1707.0	-1.20	1720.0	-1.00	1727.0	-1.95	1733.9	-1.80	1740.9	-1.25	
1747.8	-1.30	1754.8	-1.20	1761.7	-1.25	1768.7	-1.15	1775.7	-1.25	1782.6	-1.15	
1789.6	-1.00	1796.5	-1.20	1803.5	-1.00	1810.4	-1.20	1817.4	-1.25	1824.3	-1.80	
1831.3	-1.80	1838.3	-1.70	1845.2	-1.75	1852.2	-1.05	1859.1	-1.95	1866.1	-1.20	
1873.0	-1.00	1880.0	-1.25	1887.0	-1.30	1893.9	-1.00	1900.9	-1.05	1907.8	-1.95	
1914.8	-1.25	1921.7	-1.20	1928.7	-1.20	1935.7	-1.00	1942.6	-1.10	1949.6	-1.35	
1956.5	-1.40	1963.5	-1.20	1970.4	-1.00	1977.4	-1.90	1984.3	-1.00	1991.3	-1.80	
1998.3	-1.95	2005.2	-1.90	2012.2	-1.65	2019.1	-1.95	2026.1	-1.70	2033.0	-1.75	
2040.0	-1.95	2047.0	-1.80	2053.9	-1.00	2060.9	-1.00	2067.8	-1.15	2074.8	-1.20	
2061.7	-1.10	2068.7	-1.15	2095.7	-1.80	2102.6	-1.70	2999.9	0.00	9999.9	0.00	

CORE V28-304

Thompson et al 1979 (Nature, 280, 554) (*)

28.5N 134.1E UC												
0.0	3.30	2.8	3.30	5.6	4.40	7.0	4.20	8.4	5.40	11.3	4.60	
14.1	4.90	16.9	4.60	19.7	5.30	22.5	4.70	25.3	5.00	28.2	4.70	
31.0	4.90	36.6	4.60	39.4	4.70	42.2	4.50	45.0	4.50	50.7	4.45	
53.5	4.20	56.3	4.50	59.1	4.40	61.9	4.60	64.8	4.45	67.6	4.45	
70.4	4.70	73.2	4.65	76.0	4.70	78.8	4.50	81.6	4.50	84.5	4.30	
97.3	4.40	90.1	4.10	95.7	3.90	98.5	4.30	101.4	4.35	104.2	4.30	
107.0	4.00	112.6	4.40	115.4	4.20	118.2	4.50	122.3	4.70	125.1	4.80	
3999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	

CORE V29-29

Prell et al 1980 (Quat Res, 14, 309) (*)

5.1N 77.6E GS												
0.0	-2.50	2.3	-2.20	4.5	-2.55	9.0	-2.40	13.5	-1.10	18.0	-1.10	
22.5	-1.70	27.0	-1.35	31.5	-1.50	36.0	-1.35	40.5	-1.60	45.0	-1.70	

9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00
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CORE V29-30

Prell et al 1980 (Quat Res, 14, 309) (*)

3.1N 76.3E GS

0.0	-2.40	2.3	-1.70	4.5	-1.60	6.8	-1.30	9.0	-1.45	11.3	-1.95
13.5	-1.40	15.8	-1.20	18.0	-1.25	20.3	-1.40	22.5	-1.20	27.0	-1.25
31.5	-1.20	36.0	-1.40	40.5	-1.15	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V29-144(GS)

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

1.2S 6.1E GS

0.0	-1.26	1.0	-1.31	2.0	-1.38	3.0	-1.51	4.0	-1.09	5.0	-1.97
6.0	-1.39	7.0	-1.11	8.0	-1.76	9.0	-1.73	10.0	-1.44	11.0	-1.70
12.0	-1.43	13.0	-1.18	14.0	-1.29	15.3	-1.38	16.5	-1.50	17.6	-1.30
19.0	-1.20	20.3	.29	21.5	.32	22.8	.34	24.0	-.18	9999.9	0.00

CORE V29-144(ND)

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

1.2S 6.1E ND

0.0	-.29	2.0	-.12	3.0	-.05	4.0	.18	5.0	.16	6.0	-.16
7.0	.09	9.0	.54	10.0	.56	11.0	.80	12.0	1.05	13.0	1.90
14.0	1.47	15.3	1.47	16.5	1.43	17.8	1.54	19.0	1.34	20.3	1.30
21.5	1.34	22.8	1.29	24.0	1.10	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V29-144(UG)

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

1.2S 6.1E UG

0.0	3.18	1.0	3.19	2.0	3.46	4.0	3.83	6.0	3.80	7.0	3.33
8.0	3.58	9.0	3.87	10.0	3.97	11.0	3.80	12.0	4.50	14.0	4.80
15.3	4.88	16.5	4.86	17.8	4.65	19.0	4.72	20.3	4.56	21.5	4.70
22.8	4.46	24.0	4.32	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V29-179

Streeter and Shackleton 1979 (Science, 203, 168) (*)

44.0N 24.5W UP

1.2	3.10	3.7	3.20	9.8	4.00	11.0	3.90	15.9	4.95	17.1	4.85
18.3	5.00	19.5	4.95	20.7	5.05	22.0	4.95	23.9	4.95	24.4	4.65
25.6	4.55	26.8	4.62	29.3	4.65	30.5	4.75	32.9	5.05	37.8	4.50
40.3	4.90	41.5	4.65	42.7	4.75	43.9	4.60	45.1	4.68	46.4	4.45
47.6	4.60	50.0	4.55	51.2	4.72	52.5	4.48	53.7	4.67	54.9	4.65
56.1	4.40	57.3	4.42	58.6	4.70	59.8	4.76	61.0	4.60	62.2	4.65
64.7	4.32	65.9	4.40	67.1	4.30	68.3	4.27	72.0	4.50	74.4	4.48
75.6	4.75	76.9	4.35	78.1	4.30	79.3	4.15	80.5	4.18	81.7	4.15
84.2	3.95	85.4	4.00	87.8	3.70	89.1	3.75	90.3	3.70	91.5	3.75
92.7	3.90	93.9	3.85	95.2	4.00	96.4	4.05	97.6	3.90	101.3	3.70
102.5	3.65	103.7	3.73	104.9	3.85	106.1	3.88	107.4	3.75	108.6	3.73
111.0	4.85	112.2	4.05	113.5	4.20	114.7	4.37	115.9	4.18	117.1	4.26
118.3	3.70	119.6	3.77	120.8	3.60	122.0	3.30	123.2	3.50	124.4	3.30
125.7	3.50	126.9	3.17	129.3	4.05	130.5	4.90	131.8	5.15	133.0	5.15
134.2	6.25	135.4	5.40	137.9	5.00	139.1	4.93	140.3	4.93	141.5	5.05
145.8	4.80	146.4	4.70	147.6	4.75	148.8	4.70	9999.9	0.00	9999.9	0.00

CORE V30-36

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

5.4N 27.3W GS

0.0	-1.42	1.2	-1.38	2.4	-1.27	3.5	-1.37	4.7	-1.54	5.9	-1.32
7.1	-1.25	7.9	-1.08	8.7	-1.36	9.5	-1.03	10.3	-.48	11.0	-.58
11.8	-.42	12.5	-.44	13.2	-.81	14.7	-.17	15.4	-.13	16.1	-.42
17.3	-.14	19.0	-.01	20.7	.26	22.3	.35	25.7	-.06	27.3	-.15

9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00
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CORE V30-40(CD)

Oppo and Fairbanks 1987 (Earth Planet Sci Lett, 86, 1)

.2S 23.2W CD

1.5	2.69	5.5	2.73	9.0	3.02	12.3	3.79	14.5	3.92	17.2	3.87
18.3	3.69	19.7	3.62	22.4	3.77	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V30-40(GS)

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

.2S 23.2W GS

0.0	-1.26	1.5	-1.25	2.6	-1.26	3.6	-1.19	4.5	-1.80	5.5	-1.98
6.4	-1.96	7.4	-1.74	8.3	-1.61	9.1	-1.25	10.0	-1.34	10.5	-1.32
11.0	-1.29	11.5	-1.15	12.1	0.00	13.4	-1.27	14.1	-1.52	14.9	-1.45
15.6	.58	16.3	.40	17.1	.41	17.8	.30	18.6	.37	19.5	.29
20.1	.48	20.8	.38	21.5	.36	22.3	.30	23.0	.31	23.8	.23
24.8	.05	25.9	.03	27.0	-.06	28.2	-.06	29.3	-.12	9999.9	0.00

CORE V30-41

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

.2N 23.1W GS

1.4	-1.32	2.0	-1.32	2.7	-1.43	3.4	-1.23	4.4	-1.46	5.5	-1.24
6.5	-1.32	7.5	-1.33	8.4	-1.40	9.2	-1.71	10.1	-1.60	10.8	-1.29
11.5	-.35	12.2	-.09	12.8	.13	14.1	.51	14.8	.45	15.9	.39
20.3	-.02	22.4	.17	23.5	.12	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V30-49(CW)

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

18.4N 21.1W CW

-.0	2.48	.3	2.23	1.4	2.28	2.7	2.22	3.4	2.32	4.1	2.44
5.4	2.17	7.5	2.22	8.9	2.69	9.3	2.71	11.8	2.92	12.0	3.20
12.6	3.09	12.8	3.43	13.1	3.36	13.7	3.45	14.8	4.10	14.7	4.08
15.7	3.99	16.1	4.60	16.8	4.06	17.5	3.84	18.3	4.04	19.0	3.74
19.7	3.88	20.4	3.77	23.3	3.98	24.6	3.26	25.7	3.25	26.3	3.54
26.9	3.46	28.0	3.39	29.2	3.64	30.3	3.68	31.5	3.26	32.0	3.48
32.6	3.75	33.8	3.57	34.9	3.36	36.0	3.59	37.2	3.72	37.6	3.33
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V30-49(GS)

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

18.4N 21.1W GS

1.4	-1.14	4.1	-1.02	5.4	-1.07	6.6	-.95	7.5	-.53	8.4	-.64
9.3	-.75	10.3	-.42	11.8	-.47	12.0	-.27	13.1	-.19	13.7	-.33
14.2	-.06	14.7	.50	15.4	.53	16.1	.62	16.8	.73	17.5	.36
18.3	.48	19.0	.59	20.4	.64	21.9	.67	23.3	.38	9999.9	0.00

CORE V30-51K(CW)

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

19.9N 19.9W CW

1.1	2.10	2.7	2.39	3.3	2.19	3.6	2.55	3.9	2.12	4.2	2.41
4.5	2.36	5.1	2.14	5.4	2.32	5.7	2.24	6.3	2.02	7.5	2.81
7.9	2.42	8.1	2.38	8.3	2.20	8.4	2.63	8.6	2.73	8.7	2.91
8.9	2.89	9.2	3.02	9.6	3.12	10.8	3.12	11.6	3.46	12.0	3.62
12.4	3.97	12.8	3.73	13.2	4.20	13.6	3.03	14.0	4.16	14.8	3.70
15.6	3.97	16.4	3.92	17.2	4.17	18.4	4.15	19.2	3.75	20.0	3.90
20.8	4.16	21.6	4.03	24.4	3.73	25.2	3.32	26.8	3.59	9999.9	0.00

CORE V30-51K(ND)

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

19.9N 19.9W ND

-1.0	-1.02	.4	-.08	.7	-.16	1.1	-.03	1.4	-.06	1.8	-.09
2.4	-1.18	2.7	-.06	3.0	-.10	3.3	-.13	3.6	-.19	3.9	-.06
4.8	-1.20	4.5	-.11	4.8	-.16	5.1	-.03	5.4	-.14	5.7	-.32
6.0	-1.01	6.3	.18	6.6	-.08	6.9	.12	7.5	.06	7.8	.27
7.9	.26	8.0	.10	8.1	.26	8.8	.37	8.3	.24	8.4	.45
8.6	.48	8.7	.68	8.8	.98	8.9	.67	9.0	.98	9.1	.97
9.8	.76	9.6	.87	10.0	.95	10.4	1.03	10.8	.69	11.2	.69
11.6	1.65	12.0	1.46	12.4	1.33	12.8	1.40	13.2	1.48	13.6	1.73
14.0	1.37	14.4	1.32	14.8	1.48	15.2	1.61	15.6	1.47	16.0	1.67
16.4	1.49	16.8	1.26	17.2	1.29	17.6	1.65	18.0	1.93	18.4	1.36
18.8	1.70	19.2	1.61	19.6	1.61	20.0	1.50	20.4	1.57	20.8	1.38
21.2	1.41	21.6	1.50	22.0	1.80	22.4	1.61	22.8	1.89	23.2	1.41
23.6	1.37	24.0	1.49	24.4	1.09	24.8	1.35	25.2	1.85	25.6	1.29
26.0	.98	26.4	1.40	26.8	1.35	27.6	.98	28.0	1.30	9999.9	0.00

CORE V30-97

Mix and Fairbanks 1985 (Earth Planet Sci Lett, 73, 231) (*)

41.0N 32.9W UG

0.0	3.20	3.0	3.10	6.0	3.20	9.0	3.40	12.0	4.00	15.0	5.00
17.8	5.20	20.6	5.30	24.0	4.90	27.0	4.65	30.0	5.10	33.0	4.60
36.0	4.90	39.0	4.90	42.0	4.60	45.0	5.05	48.0	4.25	51.0	4.85
54.0	4.50	57.0	4.55	58.3	4.00	59.7	4.50	61.0	4.60	66.3	4.30
71.7	3.70	75.7	4.00	79.7	3.75	82.3	3.60	83.7	4.30	85.0	4.40
89.0	4.10	93.0	4.10	96.0	3.80	99.0	3.55	102.0	3.90	105.0	4.00
108.0	4.00	111.0	3.55	114.0	3.75	117.0	3.50	120.0	3.05	123.0	2.90
124.7	3.45	126.4	4.50	128.1	4.55	129.9	4.70	133.3	4.60	136.7	4.60
140.1	4.60	143.6	5.10	147.0	5.20	150.4	5.40	153.9	4.90	157.3	4.45
160.7	4.50	164.1	4.80	167.6	4.45	171.0	4.20	174.4	4.30	177.9	4.45
184.7	4.35	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

CORE V32-08

Mix and Ruddiman 1985 (Quat Sci Rev, 4, 59)

34.8N 32.4W GR

.5	-.71	2.0	-.70	4.0	-.71	6.0	-.86	6.7	-.51	7.3	-.18
8.0	-.12	8.7	.21	9.3	.18	10.0	.24	10.7	-.09	11.3	.55
12.0	.77	12.7	.69	13.3	.90	14.0	.96	15.1	1.17	16.2	1.16
17.3	1.10	18.4	1.10	19.6	.47	20.7	.57	21.8	.70	22.9	.97
24.0	.20	25.1	.31	26.2	.50	27.3	.49	28.4	.27	9999.9	0.00

CORE V35-08

Oppo and Fairbanks 1987 (Earth Planet Sci Lett, 86, 10)

7.8N 112.1E CD

.2	2.68	.6	2.32	.8	2.27	1.4	2.40	2.6	2.21	4.3	2.35
5.5	2.35	6.2	2.29	6.7	2.43	7.3	2.46	8.4	2.60	8.8	2.71
9.0	2.48	9.1	2.42	9.8	2.35	10.2	2.75	10.5	2.60	10.8	2.89
11.0	2.90	11.4	2.87	11.7	3.29	11.9	3.05	12.7	3.25	13.4	3.07
14.1	3.49	19.3	3.90	20.8	3.85	21.8	3.77	22.3	3.81	24.7	3.70
9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00	9999.9	0.00

.... END OF RECORDS!

NUMBER OF RECORDS = 256