

Core no. V 30-40      S 0° 12.0'      W 23° 09.0'      3706 m b.s.l.

Age control:      Date: 11/2000

- *C. wuellerstorfi* and *G. sacculifer* <sup>18</sup>O records (Mix & Ruddiman, 1985; Oppo & Fairbanks, 1987).
- AMS <sup>14</sup>C analogue stratigraphy.

Surface sediment age :

- Zero, based on extrapolation of sedimentation rates.

Age/depth correlation :

Orig. depth	<sup>14</sup> C age	Error ±	Calendar years	Sed.rate	Original interval/ material/ <sup>δ</sup> <sup>18</sup> O stratigraphy	Remarks
[cm]	[ky BP]		[ka]	[cm/ky]		
0			0		core top	
4.5	1.61	170	1.52		3.5- 5.5 cm, bulk carb.	
22.5	7.29	300			21.5- 23.5 cm, bulk carb.	ignored
30	9.58	325			29- 31 cm, bulk carbonate	ignored
44	14.8		18.3	2.4	AMS <sup>14</sup> C analogue	
44.5	12.02	400		- . -	43- 46 cm, bulk carbonate	ignored
55.5	12.01	735		- . -	54.5- 56.5 cm, bulk carb.	ignored

Remarks:

- Calendar years converted from <sup>14</sup>C years using INTCAL 98.

Original references:

- McIntyre, A., Ruddiman, W. F., Karlin, K. & Mix, A.C. (1989): Surface water response of the equatorial Atlantic Ocean to orbital forcing. - *Paleoceanography*, 4, 19-55.
- Oppo, D. & Fairbanks, R.G. (1987): Variability in the deep and intermediate water circulation of the Atlantic Ocean during the past 25,000 years: Northern hemisphere modulation of the southern ocean.- *Earth Planet. Sci. Lett.*, 86, 1-15.
- Mix, A. & Ruddiman, W. F. (1985): Structure and timing of the last deglaciation: Oxygen-isotope evidence. *Quat. Sci. Rev.*, 4, 59-108.
- CLIMAP Project Members (1984): The last interglacial ocean. - *Quat. Res.*, 21, 123-224.

LGM time slice: (base conjectural)

- GLAMAP: 44-58.5 cm orig. depth
- EPILOG: 47-63 cm orig. depth

LGM foraminifera counts: SPECMAP

- GLAMAP: 45, 48, 51, 54, 57 cm orig. depth
- EPILOG: 48, 51, 54, 57, 60, 63 cm orig. depth

References for faunal analysis:

- Imbrie, J., McIntyre, A. & Mix, A.C. (1989): Oceanic response to orbital forcing in the Late Quaternary: Observational and experimental strategies. In: A.Berger, S.H.Schneider & J.-C. Duplessy (eds.) *Climate and geosciences, a challenge for science and society in the 21st century*, D. Reidel Publ. Co.
- McIntyre et al. (1989) Surface water response of the equatorial Atlantic Ocean to orbital forcing. *Paleoceanography*, 4, p. 19-55.
- World Data Center for Marine Geology & Geophysics, SPECMAP Archive # 1

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