

Core no. RC 12-294 S 37° 16' W 10° 06' 3308 m b.s.l.

Age control:

Date: 10/1998

- *G. bulloides*, *G. inflata*, *Uvigerina*, and *C. wuellerstorfi* ¹⁸O records (Shackleton, 1977; CLIMAP, 1981).
- AMS ¹⁴C analogue stratigraphy.

Surface sediment age :

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Age/depth correlation :

Orig. depth	¹⁴ C age	Calendar years	Sed.rate	Original interval/ material/
[cm]	[ky BP]	[ka]	[cm/ky]	$\delta^{18}\text{O}$ stratigraphy
34	14.8	18.3	ca. 2	AMS ¹⁴ C analogue

Remarks:

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Original references:

- CLIMAP Project Members (1994): CLIMAP 18K Database. IGBP PAGES/World Data Center-A for Paleoclimatology Data Contribution Series # 94-001. NOAA/NGDC Paleoclimatology Program, Boulder CO, USA.
- Sarnthein, M., Winn, K., Jung, S.J.A., Duplessy, J.-C., Labeyrie, L., Erlenkeuser, H. & Ganssen, G. (1994): Changes in east Atlantic deepwater circulation over the last 30,000 years: Eight time slice reconstructions.- *Paleoceanography*, 9, 209-267.
- Paull, C.K. & Thierstein, H.R. (1990): Stable isotopic fractionation among particles in Quaternary coccolith-sized deep-sea sediments.- *Paleoceanography*, 2, 423-430.
- CLIMAP Project Members (1981): Seasonal reconstruction of the earth's surface at the Last Glacial Maximum, *Geol. Soc. Amer., Map and Chart Series #36*.
- Shackleton, N. J. (1977): The oxygen isotope stratigraphic record of the late Pleistocene. - *Phil. Trans. R. Soc. London, Series B*, 280, 169-182.

LGM time slice: (conjectural)

- GLAMAP: 34-54 cm orig. depth
- EPILOG: 38-59 cm orig. depth

LGM foraminifera counts: Pflaumann (UP), SPECMAP

- GLAMAP: 36, 46, 48, 53 cm orig. depth (UP), 40, 45, 50 cm orig. depth (SPECMAP)
- EPILOG: 46, 48, 53 cm orig. depth (UP), 40, 45, 50, 55 cm orig. depth (SPECMAP)

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
- Pflaumann et al., *Paleoceanography*, in prep.

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