

Core no. V 25-59      N 01° 12.0'      W 33° 28.98':      3706 m b.s.l.

Age control:      Date: 1989, modified 11/2000

- *N. dutertrei* and *G. sacculifer* <sup>18</sup>O records (Mix & Ruddiman, 1985).
- *C. wuellerstorfi* <sup>18</sup>O record (Curry et al., 1988)
- AMS <sup>14</sup>C analogue stratigraphy.

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	1.5		1.39	- . -	core top	extrapolated
16.5	6.09	130	6.95	3.0	15- 18 cm, bulk carbonate	
35.5	11.55	280	13.47	2.9	33- 38 cm, bulk carbonate	
45	14.8		18.3	2.0	AMS <sup>14</sup> C analogue	
46.5	15.08	680	18.03	- . -	45- 48 cm, bulk carbonate	ignored
66	16.84	530	20.01	- . -	64- 68 cm, bulk carbonate	ignored
77.5	21.39	680	25.59	4.5	76- 79 cm, bulk carbonate	
92.5	26.0		29.5	3.8	AMS <sup>14</sup> C analogue	

Remarks:

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

Original references:

- Curry, W.B., Duplessy, J.C., Labeyrie, L.D. & Shackleton, N.J. (1988): Changes in the distribution of <sup>13</sup>C of deep water CO<sub>2</sub> between the last glaciations and the Holocene.- *Paleoceanography*, 3, 317-341.
- Mix, A. C. & Fairbanks, R. G. (1985): North Atlantic surface ocean control of Pleistocene deep-ocean circulation. - *Earth Planet. Sci. Let.*, 73, 231-243.
- 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:

- GLAMAP: 45-59 cm orig. depth
- EPILOG: 48-64 cm orig. depth

LGM foraminifera counts: SPECMAP

- GLAMAP: 45, 47, 50, 52, 55, 57 cm orig. depth
- EPILOG: 50, 52, 55, 57, 60, 62 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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