

<u>Core no.</u>	16867-1 B.C.	S 2° 12.2'	E 5° 06.0'	3891 m b.s.l.
	16867-2 G.C.	S 2° 12.1'	E 5° 06.1'	3891 m b.s.l.
	16867-3 P.C.	S 2° 12.0'	E 5° 06.0'	3894 m b.s.l.

Age control:

- *C. wuellerstorfi* and *G. ruber* ¹⁸O records (K.Winn/U.Pflaumann, unpublished data).
- AMS ¹⁴C analogue stratigraphy.

Core fit :

- 10 cm in core -1 = 0 cm in core -2, based on *G. ruber* ¹⁸O record, and ignoring its ¹³C values (otherwise no fit, with mid-Holocene missing)
- 2 cm in core -3 = 210 cm in core -2, based on ¹⁸O and ¹³C records of *G. ruber*.

Surface sediment age :

- Zero, based on undisturbed sediment surface of B.C. -1.

Age/depth correlation :

Comp. depth	¹⁴ C age	Calendar years		Sed.rate	Original interval/ material/ ^δ ¹⁸ O stratigraphy	Core no.	Remarks
[cm]	[ky BP]	[ka]		[cm/ky]			
0		-.-		-.-		1	
30	9.1	9.8	a)	3.06	AMS ¹⁴ C analogue	2	
60	14.8	18.3	a)	3.53	AMS ¹⁴ C analogue	2	
109	26	29.5	a)	4.37	AMS ¹⁴ C analogue	2	

a) corrected after Bard et al., (1990).

Remarks :

- Numerous measurements of *C. wuellerstorfi* are unreliable due to a defective ventile-membrane. Obviously false ¹⁸O values are not joined in the figures. According to H. Erlenkeuser, the ¹³C values can also deviate by as much as 0.5‰.
- The offset in the ¹³C niveau between cores -1 and -2 is more difficult to explain if there is overlap between these cores (see also under Core Fit).

Original references:

- Sarnthein, M., Winn, K., Jung, S.J.A., Duplessy, J.-A., 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.

LGM time slice:

- GLAMAP: 60-72 cm comp. depth = 50-62 cm orig. depth in core (-2)
- EPILOG: 63-76 cm comp. depth = 53-66 cm orig. depth in core (-2)

LGM foraminifera counts: Pflaumann (UP)

- GLAMAP: (in core -2) 55 cm orig. depth.
- EPILOG: (in core -2) 55, 65 cm orig. depth.

References for faunal analysis:

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

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