

Core no. 12337-4 B.C. N 15° 57.20' W 18° 08.00': 3094 m b.s.l.  
 12337-5 K.C. 3082 m b.s.l.

Age control:

Date: 7/12/1992

- Planktonic and *C. wuellerstorfi* <sup>18</sup>O records
- AMS <sup>14</sup>C analogue stratigraphy.
- Correlation with neighbour core 12347-2, also considers the paleo-temperature record of Pflaumann (1975).

Core fit :

- 0 cm in core -5 = 6 cm in core -4, based on <sup>18</sup>O and <sup>13</sup>C records of *C. wuellerstorfi*, *G. inflata* and *G. ruber* (white).

Surface sediment age :

- Zero at 0 cm in -4, assuming undisturbed sediment surface in B.C.

Age/depth correlation :

Comp. depth	<sup>14</sup> C age	Calendar years		Sed.rate	$\delta^{18}\text{O}$ stratigraphy	Core no.	Remarks
[cm]	[ky BP]	[ka]		[cm/ky]			
0.0		0.0		- . -			
58.5	9.1	9.8	a)	5.97	AMS <sup>14</sup> C analogue	- 5	
98.5		11.6	a)	22.2	Top Younger Dryas GISP2	- 5	
143.5	13.6	17.1	a)	8.2	AMS <sup>14</sup> C analogue	- 5	

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

Remarks :

- C<sub>org</sub>, CO<sub>2</sub>/Alk, N<sub>total</sub> data from Hartmann et al.(1976).

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.
- Winn, K., Sarnthein, M. & Erlenkeuser, H. (1991): <sup>18</sup>O stratigraphy and chronology of Kiel sediment cores from the East Atlantic.- *Ber.-Rep. Geol. Paläont. Inst. Univ. Kiel*, 45, 99 pp.

LGM time slice:

- GLAMAP: ?150-166 cm comp. depth = 144-160 cm orig. depth in core (-5)
- EPILOG: ?150-166 cm comp. depth = 144-160 cm orig. depth in core (-5)

LGM foraminifera counts: Pflaumann (UP)

- GLAMAP: (in core -5) 160 cm orig. depth (core catcher)
- EPILOG: (in core -5) 160 cm orig. depth (core catcher)

References for faunal analysis:

- Pflaumann, U. (1975): Late Quaternary stratigraphy based on planktonic foraminifera off Senegal. - "Meteor" *Forsch. Ergebn., C*, 23, 1-46.

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