

Core no. Oden 41:4:1 M.U.C.

N 84° 01.75'

E 11° 14.30':

3344 m. b.s.l.

Age control:

Date: 09/2000, modified 20/11/2000

- *N. pachyderma* sin. ^{18}O record from Nørgaard-Pedersen et al., (in prep.)
- AMS ^{14}C dating (Leibniz Labor, Kiel) from Nørgaard-Pedersen et al., (in prep.)

Age/depth correlation

depth	^{14}C age	Error \pm	Calendar		Sed. Rate	Original interval/ $\delta^{18}\text{O}$ stratigraphy	Remarks
[cm]	[ky BP]		[ka]		[cm/ky]		
2.5	5.12	30	5.90	a)	- . -	AMS ^{14}C dating	<i>N. pachyderma</i> sin.
6.5	8.91	50	9.96	a)	1.0	AMS ^{14}C dating	<i>N. pachyderma</i> sin.
10.5	10.63	70	12.56	a)	1.5	AMS ^{14}C dating	<i>N. pachyderma</i> sin.
13.0	14.8		18.3		0.4	AMS ^{14}C analogue	
14.5	16.63	130	19.56	a)	1.2	AMS ^{14}C dating	<i>N. pachyderma</i> sin.
14.5	16.62	130	19.54	a)	1.2	AMS ^{14}C dating	<i>O. umbonatus</i>
18.5	14.86	90				AMS ^{14}C dating	<i>N. pachy.</i> sin., ignored
23.5	24.67	260	28.7	b)	1.0	AMS ^{14}C dating	<i>N. pachyderma</i> sin.

a) Calendar years converted from ^{14}C years using CALIB-4. 1.2

b) beyond 20.3 ^{14}C ka, calendar years converted by applying the age shift determined by Voelker et al. (1998)

Remarks:

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Original references:

- Nørgaard-Pedersen, N., Spielhagen, R., Erlenkeuser, H., Grootes, P.M., & Knies, J. (in prep.): The Arctic Ocean during the Last Glacial Maximum: Atlantic and Polar domains of surface water mass distribution and ice cover. - to be submitted to Paleocceanography

LGM time slice:

- GLAMAP: 13 - 16.5 cm
- EPILOG: 14 - 17.5 cm

LGM foraminifera counts: Pflaumann (UP)

- GLAMAP: 13, 14, 15 cm
- EPILOG: 14, 15 cm

References for faunal analysis:

- Pflaumann et al., Paleocceanography in prep.

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