

Core no. PS 2876-1 B.C. N 81°54.54' W 9°26.13': 1976 m b.s.l.
 PS 2876-2 G.C. N 81°45.68' W 9°24.03': 1911 m b.s.l.

Age control:

Date: 11/2000

- *N. pachyderma* sin. ¹⁸O record (Nørgaard-Pedersen et al., in prep.).
- AMS ¹⁴C dating on *N. pachyderma* sin. (Nørgaard-Pedersen et al., in prep.).

Core fit :

- 0 cm in core -1 = 0 cm in core -2

Surface sediment age :

- 0 cm = 6390 ¹⁴C years, according to AMS ¹⁴C dating

Age/depth correlation :

Orig. depth	¹⁴ C age	Error ±	Calendar years		Sed.rate	Original interval/ material/ δ ¹⁸ O stratigraphy	Core no.	Remarks
[cm]	[ky BP]		[ka]		[cm/ky]			
0	6.39	70	7.26	a)	- . -	AMS ¹⁴ C dating	- 1	
6.5	7.82	45	8.65	a)	4.7	AMS ¹⁴ C dating	- 1	
9.5	14.11	90	16.92	a)	- . -	AMS ¹⁴ C dating	- 1	
9.5	14.8		18.3		0.3	AMS ¹⁴ C analogue		
17.5	16.45	90	19.49	a)	3.1	AMS ¹⁴ C dating	- 1	
17.5	16.60	90	19.67	a)	2.9	AMS ¹⁴ C dating	- 1	
62	17.95	150	21.42	a)	25.4	AMS ¹⁴ C dating	- 2	
87.5	18.42	180	22.07	a)	39.2	AMS ¹⁴ C dating	- 2	
133	19.75	120	23.48	a)	32.3	AMS ¹⁴ C dating	- 2	
178	22.03	180	25.8	b)	19.4	AMS ¹⁴ C dating	- 2	
257.5	28.49	360	32.4	b)	12.0	AMS ¹⁴ C dating	- 2	

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

b) beyond 20.3 ¹⁴C 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: 9.5-65 cm comp. depth = orig. depth in core (-1, -2)
- EPILOG: 14-101 cm comp. depth = orig. depth in core (-1, -2)

LGM foraminifera counts: Vogelsang (EV)

- GLAMAP: (in core -1) 9, 13, 17, 27 cm orig. depth, (in core -2) 61.5 cm orig. depth
- EPILOG: (in core -1) 17, 27 cm orig. depth, (in core -2) 61.5, 83 cm orig. depth

References for faunal analysis:

- Pflaummann et al., Paleocceanography, in prep.

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