

Core no. PS 2887-1 B.C. N 79° 36.0' W 04° 36.5': 1411 m b.s.l.
 PS 2887-2 G.C. N 79° 36.0' W 04° 36.5': 1411 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 :

- 25.5 cm in core -2 = 25.5 cm in core -1 according to near identical ¹⁴C ages.

Surface sediment age :

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Age/depth correlation :

Orig. depth [cm]	¹⁴ C age [ky BP]	Error ±	Calendar years [ka]		Sed.rate [cm/ky]	Original interval/ material/ ^δ ¹⁸ O stratigraphy	Core no.	Remarks
13.5	9.63	60	10.94	a)	1.2	AMS ¹⁴ C dating	- 1	
19.5	9.66	55	10.96	a)	300.0	AMS ¹⁴ C dating	- 1	
22.5	11.23	60	13.14	a)	1.4	AMS ¹⁴ C dating	- 1	
25.5	12.36	60	14.27	a)	2.7	AMS ¹⁴ C dating	- 1	
25.5	11.91	80	13.82	a)	1.8	AMS ¹⁴ C dating	- 2	
33.5	14.9	100	17.71	a)	- . -	AMS ¹⁴ C dating	- 2	ignored
35.5	15.47	110	18.37	a)	- . -	AMS ¹⁴ C dating	- 2	ignored
40.5	15.99	100	18.96	a)	- . -	AMS ¹⁴ C dating	- 2	ignored
43.5	16.69	100	19.77	a)	- . -	AMS ¹⁴ C dating	- 2	ignored
44.5	14.8		18.3		4.2	AMS ¹⁴ C analogue		
45.5	17.38	110	20.56	a)	- . -	AMS ¹⁴ C dating	- 2	ignored
52.5	18.04	150	21.32	a)	- . -	AMS ¹⁴ C dating	- 2	ignored
69.5	23.83	230	27.7	b)	2.7	AMS ¹⁴ C dating	- 2	
84.5	41.66	1790	44.3	b)	0.9	AMS ¹⁴ C dating	- 2	
96.5	43.58	2190	45.5	b)	10.0	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 Paleoclimatology.

LGM time slice:

- GLAMAP: 44.5-53 cm orig. depth in core (-2)
- EPILOG: 46.5-56 cm orig. depth in core (-2)

LGM foraminifera counts: Vogelsang (EV)

- GLAMAP: (in core -2) 46, 50, 52 cm orig. depth
- EPILOG: (in core -2) 50, 52, 55 cm orig. depth

References for faunal analysis:

- Vogelsang in Pflaumann et al., Paleoclimatology, in prep.

PS 2887-1

