

Core no. PS 2138-1 G.C. N 81° 32.1' E 30° 35.6': 995 m b.s.l.

Age control:

Date: 1999

- *N. pachyderma* sin. ¹⁸O record (Knies & Stein, 1999).
- AMS ¹⁴C dating (Knies & Stein, 1999).

Core fit :

- None

Surface sediment age :

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Age/depth correlation :

Orig. depth	¹⁴ C age c)	Error ±	Calendar years		Sed.rate	Original interval/ material/ δ ¹⁸ O stratigraphy	Core no.	Remarks
[cm]	[ky BP]		[ka]		[cm/ky]			
80	12.60	140	14.80	a)	- . -	AMS ¹⁴ C dating	- 1	Bivalves
130	15.41	130	18.33	a)	14.2	AMS ¹⁴ C dating	- 1	mixed forams
160	16.23	210	19.11	a)	38.5	AMS ¹⁴ C dating	- 1	<i>N. pachy. sin.</i>
200	16.88	130	20.57	a)	27.4	AMS ¹⁴ C dating	- 1	<i>N. pachy. sin.</i>
300	20.04	330	24.01	b)	29.1	AMS ¹⁴ C dating	- 1	<i>N. pachy. sin.</i>
331	23.10	240	27.19	b)	9.7	AMS ¹⁴ C dating	- 1	<i>N. pachy. sin.</i>

a) Stuiver & Reimer (1993) and Bard et al. (1993).

b) after Bard et al. (1992).

c) ¹⁴C reservoir effect of 440 years instead of 400 years.

Remarks:

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Original references:

- Knies, J. & Stein, R. (1999): New aspects of organic carbon deposition and its paleoceanographic implications along the northern Barents Sea margin during the last 30,000 years. - *Paleoceanography*, 13, 384-394.

LGM time slice:

- GLAMAP: 130-227 cm orig. depth in core (-1)
- EPILOG: 156-256 cm orig. depth in core (-1)

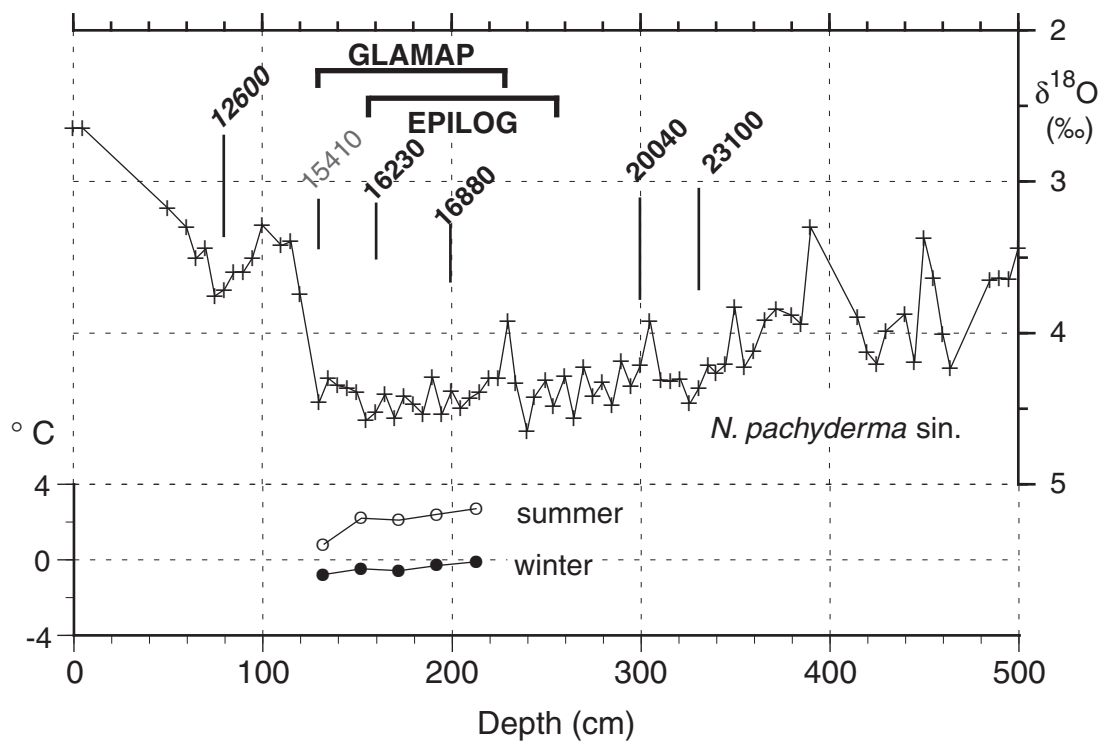
LGM foraminifera counts: Pflaumann (UP)

- GLAMAP: (in core -1) 132, 152, 172.5, 192.5, 213 cm orig. depth
- EPILOG: (in core -1) 172.5, 192.5, 213, 223 cm orig. depth

References for faunal analysis:

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

PS 2138-1



12600: bivalves

15410: mixed forams

16230: *N. pachyderma sin.*