

Core no. PS 2446-4 G.C. N 82° 23.8' E 40° 54.5': 2022 m b.s.l.

Age control:

Date: 1999

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

Core fit :

- None

Surface sediment age :

- Zero, based on extrapolation of AMS ¹⁴C dating.

Age/depth correlation :

Orig. depth [cm]	¹⁴ C age a) [ky BP]	Error ±	Calendar years [ka]		Sed.rate [cm/ky]	Original interval/ material/ ^δ ¹⁸ O stratigraphy	Core no.	Remarks
6	0.66	40	0.65		- . -	AMS ¹⁴ C dating	- 4	<i>N. pachy. sin.</i>
150	12.42	+100/ -90	14.35		10.5	AMS ¹⁴ C dating	- 4	mixed forams
180	15.43	90	18.44		7.3	AMS ¹⁴ C dating	- 4	mixed forams
210								top of slump
300								base of slump
357	19.29	+140/ -130	22.88		19.6	AMS ¹⁴ C dating	- 4	mixed forams
420	21.11	+250/ -250	24.97		30.1	AMS ¹⁴ C dating	- 4	<i>N. pachy. sin.</i>
520	23.14	+240/ -230	27.31		42.7	AMS ¹⁴ C dating	- 4	<i>N. pachy. sin.</i>

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

Remarks:

- Calendar years converted from ¹⁴C years using INTCAL 98.

Original references:

- Knies, J. (1999): Spätquartäre Paläoumweltbedingungen am nördlichen Kontinentalrand der Barents- und Kara-See. Eine Multi-Parameter-Analyse. - Ber.Polarforsch. - Rep. Polar Res., AWI for Polar and Marine Research, 304, 159 pp.

LGM time slice:

- GLAMAP: 180-210 and 300-330 cm orig. depth in core (-4), slump from 210-300 cm
- EPILOG: 194-210 and 300-350 cm orig. depth in core (-4), slump from 210-300 cm

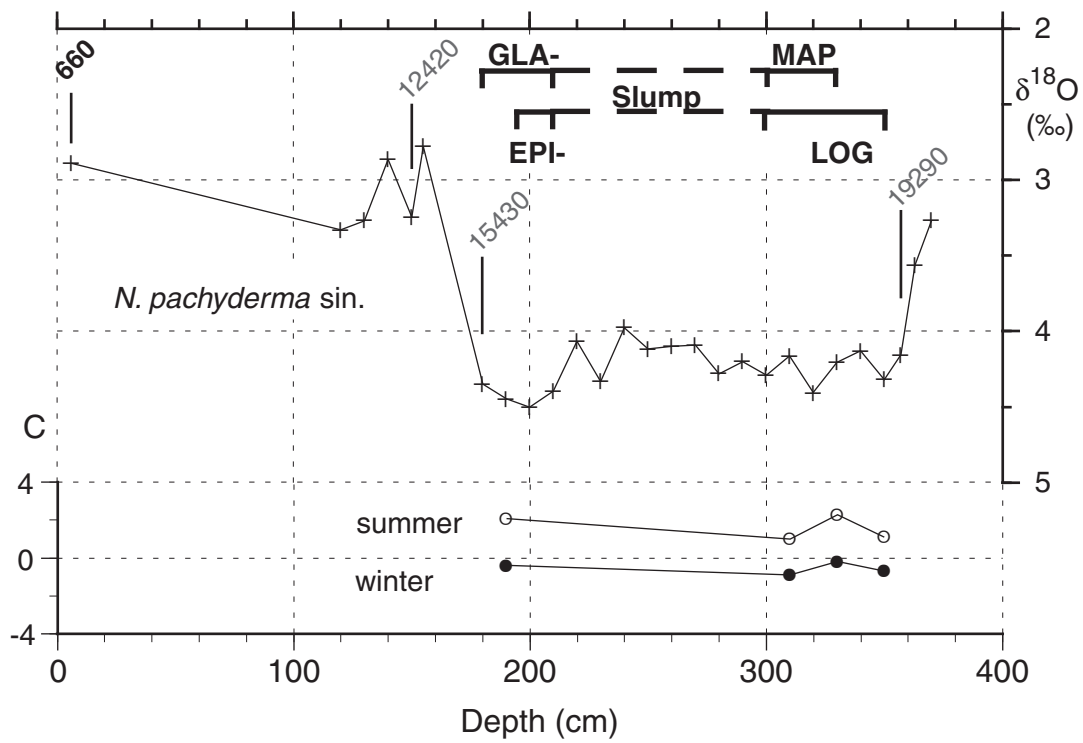
LGM foraminifera counts: Vogelsang (EV)

- GLAMAP: (in core -4) 190, 310, 330 cm orig. depth
- EPILOG: (in core -4) 310, 330, 350 cm orig. depth

References for faunal analysis:

- Pflaumann et al., Paleoceanography, in prep.

PS 2446-4



15410: mixed forams

16230: *N. pachyderma sin.*