

Core no. 16397-2 G.C. N 61° 52.35' W 11° 10.72': 1145 m b.s.l.

Age control:

Date: 9/2000

- *N. pachyderma* sin. ¹⁸O record from K.Winn/F.Werner (unpublished data), Sarnthein et al. (1995)
- AMS ¹⁴C dating *G. bulloides* and *N. pachyderma* sin. (Weinelt et al., in prep.).

Core fit :

- with neighbour core 16396-1, based on ¹⁸O record and AMS ¹⁴C dating
- 510 cm in core 16396-1 = 80 cm in core 16397-2

Surface sediment age :

-

Age/depth correlation :

Orig. depth	¹⁴ C age	Error ±	Calendar years		Sed.rate	Original interval/ material/	Core no.	Remarks
[cm]	[ky BP]		[ka]		[cm/ky]	δ ¹⁸ O stratigraphy		
10	15.59	80	18.62	a)	- . -	AMS ¹⁴ C dating	- 2	<i>N. pachyderma</i> sin.
82	17.77	120	21.13	a)	28.7	AMS ¹⁴ C dating	- 2	<i>N. pachyderma</i> sin.
225			23.4		18.9	Top H2	- 2	
230	20.55	140	24.04	a)		AMS ¹⁴ C dating	- 2	<i>N. pachyderma</i> sin.
240			24.2		18.7	Base H2	- 2	
330	22.96	+190 /-180	27.1	a)	31.0	AMS ¹⁴ C dating	- 2	<i>N. pachyderma</i> sin.
350	25.82	+260 /-250	30.4	a)	6.1	AMS ¹⁴ C dating	- 2	<i>G. bulloides</i>

a) Calendar years converted from ¹⁴C years using INTCAL 98.

Remarks :

- None

Original references:

- Weinelt et al., in prep.
- Sarnthein, M., Jansen, E., Weinelt, M., Arnold, M., Duplessy, J.-C., Erlenkeuser, H., Flatøy, A., Johannessen, G., Johannessen, T., Jung, S., Koc, N., Maslin, M., Pflaumann, U. & Schulz, H. (1995): Variations in Atlantic surface ocean paleoceanography, 50° - 85°N: A time-slice record of the last 30,000 years. - *Paleoceanography*, 10, 1063-1094.
- Werner, F. (1990): Bericht über Reise Nr. 158 des F. S. POSEIDON in das Seegebiet um Island. - *Ber.-Rep. Geol.-Paläont. Inst. Univ. Kiel*, 38, 17 pp.

LGM time slice:

- GLAMAP: 4-98 cm orig. depth in core (-2)
- EPILOG: 4-160 cm orig. depth in core (-2)

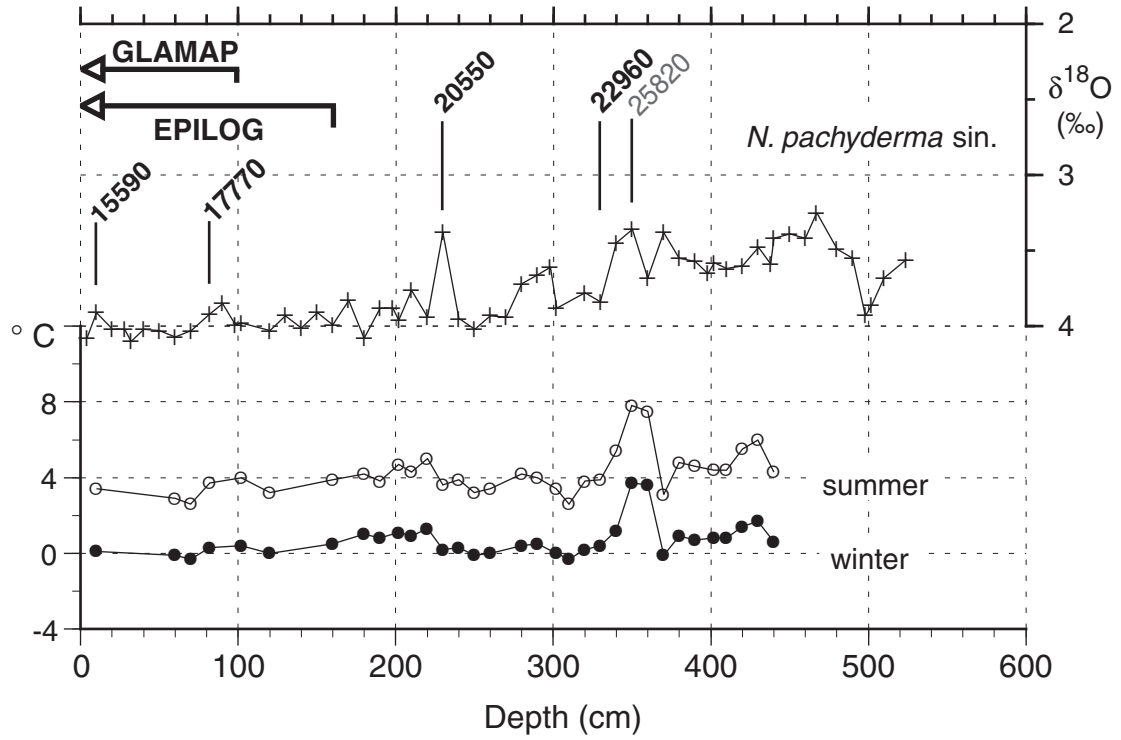
LGM foraminifera counts: Vogelsang (EV), Weinelt (MW)

- GLAMAP: (in core -2) 10, 60, 70, 82 cm orig. depth.
- EPILOG: (in core -2) 10, 60, 70, 82, 102, 120, 160 cm orig. depth.

References for faunal analysis:

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

16397-2



16465: *N. pachyderma sin.*

18394: *G. bulloides*