

Core no. 17049-4 B.C. N 55° 16.02' W 26° 43.37': 3329 m. b.s.l.
 17049-6 P.C. N 55° 15.60' W 26° 43.53': 3331 m. b.s.l.

Age control:

Date : 09/2000

- *C. wuellerstorfi*, *G. bulloides*, and *N. pachyderma* sin. ¹⁸O records from Jung (1996), Trauth (1995) and van Kreveld (unpublished).
- AMS ¹⁴C dating on *G. bulloides* and *N. pachyderma* sin. from Jung (1996) and M. Weinelt (1997, unpublished) (Aarhus and Leibniz Labor, Kiel).

Core fit :

- 0 cm in core -6 = 0 cm in core -4, based on ¹⁸O record of *G. bulloides*.

Surface sediment age :

- Zero, based on undisturbed sediment surface of B.C. -4.

Age/depth correlation core -6:

depth	¹⁴ C age	Error	Calendar		Sed.rate	Original interval/ material/ δ ¹⁸ O stratigraphy	Remarks
[cm]	[ky BP]	±	[ka]		[cm/ky]		
0.0	0.0					assumed	
12.5	1.91	50	1.18	a)	- . -	AMS ¹⁴ C dating	<i>G. bulloides</i>
47.5	5.01	80	5.74	a)	7.7	AMS ¹⁴ C dating	<i>G. bulloides</i>
57.5	6.42	80	7.410	a)	6.0	AMS ¹⁴ C dating	<i>G. bulloides</i>
92.5- 97.5	6.43	120	7.414	a)		AMS ¹⁴ C dating	<i>G. bulloides</i>

110-119 cm laminated sediments

120	10.15	200	11.89	a)	- . -	AMS ¹⁴ C dating	<i>G. bulloides</i>
120	11.82	210	13.83	a)	- . -	AMS ¹⁴ C dating	<i>N. pachy. sin</i>
130	12.14	160	14.11	a)	35.7	AMS ¹⁴ C dating	<i>N. pachy. sin</i>
145	14.75	220	17.65	a)	4.2	AMS ¹⁴ C dating	<i>N. pachy. sin</i>
150	14.8		18.3		7.7	AMS ¹⁴ C analogue	
210	27.8	360	33	a)	4.1	AMS ¹⁴ C dating	<i>N. pachy. sin</i>

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

Remarks :

- Dry bulk density measurements (K. Winn, unpublished).
- ¹⁸O values of *G. bulloides* have been corrected by 0.4‰ because of a systematic measurement deviation (K. Winn, unpublished).
- ¹⁸O values of *N. pachyderma* sin. are strongly biased by bioturbation at 65-110 cm comp. depth.

Original references:

- Jung, S. A. (1996): Wassermassenaustausch zwischen dem NE-Atlantik und dem Europäischen Nordmeer während der letzten 300.000/80.000 Jahre im Abbild stabiler O- und C-Isotope.- Ber. SFB 313, Univ. Kiel, 61, 104 pp.
- Trauth, M. (1995): Bioturbate Signalverzerrung hochauflösender paläozeanographischer Zeitreihen. - Ber. - Rep. Geol. Paläont. Inst. Univ. Kiel, 74, 167 pp.
- Sarnthein, M., Winn, K., Jung, S.J.A., Duplessy, J.-A., Labeyrie, L., Erlenkeuser, H. & Ganssen, G. (1994): Changes in east Atlantic deepwater circulation over the last 30,000 years: Eight time slice reconstructions.- *Paleoceanography*, 9, 209-267.
- van Kreveld, unpublished

LGM time slice:

- GLAMAP: 150-163 cm orig. depth in core (-6)
- EPILOG: 153-167 cm orig. depth in core (-6)

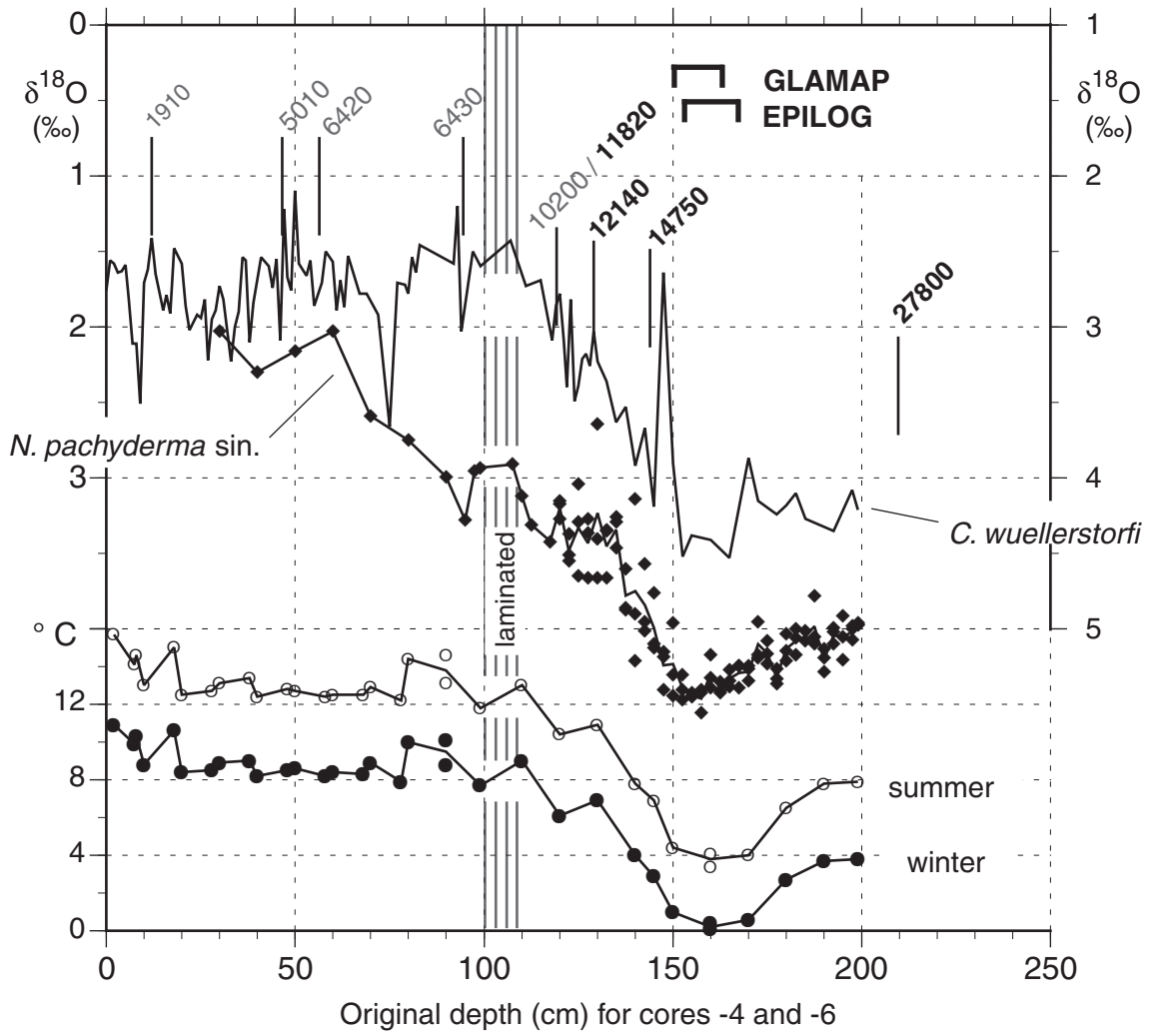
LGM foraminifera counts: Schulz (HS), Pflaumann (UP)

- GLAMAP: (-6) 150, 160 cm orig. depth.
- EPILOG: (-6) 160 cm orig. depth.
- Schulz, H. (1995): Meeresoberflächentemperaturen vor 10.000 Jahren - Auswirkungen des frühholozänen Insolationsmaximums. - Ber.-Rep. Geol. Paläont. Inst. Univ. Kiel, 73, 1-156.

References for faunal analysis:

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

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16465: *N. pachyderma sin.*

18394: *G. bulloides*