

Core no. 17051-3 P.C. N 56° 09.8' W 31° 59.4': 2300 m b.s.l.

Age control: Date: 04/1996

- *C. wuellerstorfi*, *G. bulloides*, and *N. pachyderma* sin. ¹⁸O records (Jung, 1996).
- AMS ¹⁴C dating on *G. bulloides* and *N. pachyderma* sin. (M. Weinelt, 1996, unpublished)

Core fit :

- None

Surface sediment age :

- 0 yrs BP

Age/depth correlation :

Orig. depth	¹⁴ C age	Error ±	Calendar years		Sed.rate	Original interval/material/ δ ¹⁸ O stratigraphy	Remarks
[cm]	[ky BP]		[ka]		[cm/ky]		
0			0			assumed	
30	3.43	60	3.2	a)	9.4	AMS ¹⁴ C dating	<i>G. bulloides</i>
50	4.86	80	5.16	a)	10.2	AMS ¹⁴ C dating	<i>G. bulloides</i>
90	6.69	90	7.18	a)	19.8	AMS ¹⁴ C dating	<i>G. bulloides</i>
127.5	9.1		9.8	a)	14.3	AMS ¹⁴ C dating	
142.5			11.6		8.3	Top Younger Dryas GISP2	
150	9.98	130	10.9	a)		AMS ¹⁴ C dating	<i>G. bulloides</i>
150	11.26	150	12.8	a)	6.2	AMS ¹⁴ C dating	<i>N. pachy. sin.</i>
180	12.93	170	14.7	a)	7.9	AMS ¹⁴ C dating	<i>G. bulloides</i>
180	12.69	140	14.4	a)	18.8	AMS ¹⁴ C dating	<i>N. pachy. sin.</i>
190	13.6		17.1	a)	3.7	AMS ¹⁴ C analogue	
200	14.8		18.3	a)	8.3	AMS ¹⁴ C analogue	
210	18.3	350	21.8	a)	2.8	AMS ¹⁴ C dating	<i>N. pachy. sin.</i>
295	26		29.5	a)	11.0	AMS ¹⁴ C analogue	

a) corrected after Bard et al. (1990).

Remarks:

- None

Original references:

- Jung, S. A. (1996): Wassermassenaustausch zwischen NE-Atlantik und Nordmeer während der letzten 300.000/80.000 Jahre im Abbild stabiler O- und C-Isotope. - Ber. SFB 313, 61, 104 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.

LGM time slice:

- GLAMAP: 200-209 cm orig. depth in core (-3)
- EPILOG: 202-218 cm orig. depth in core (-3)

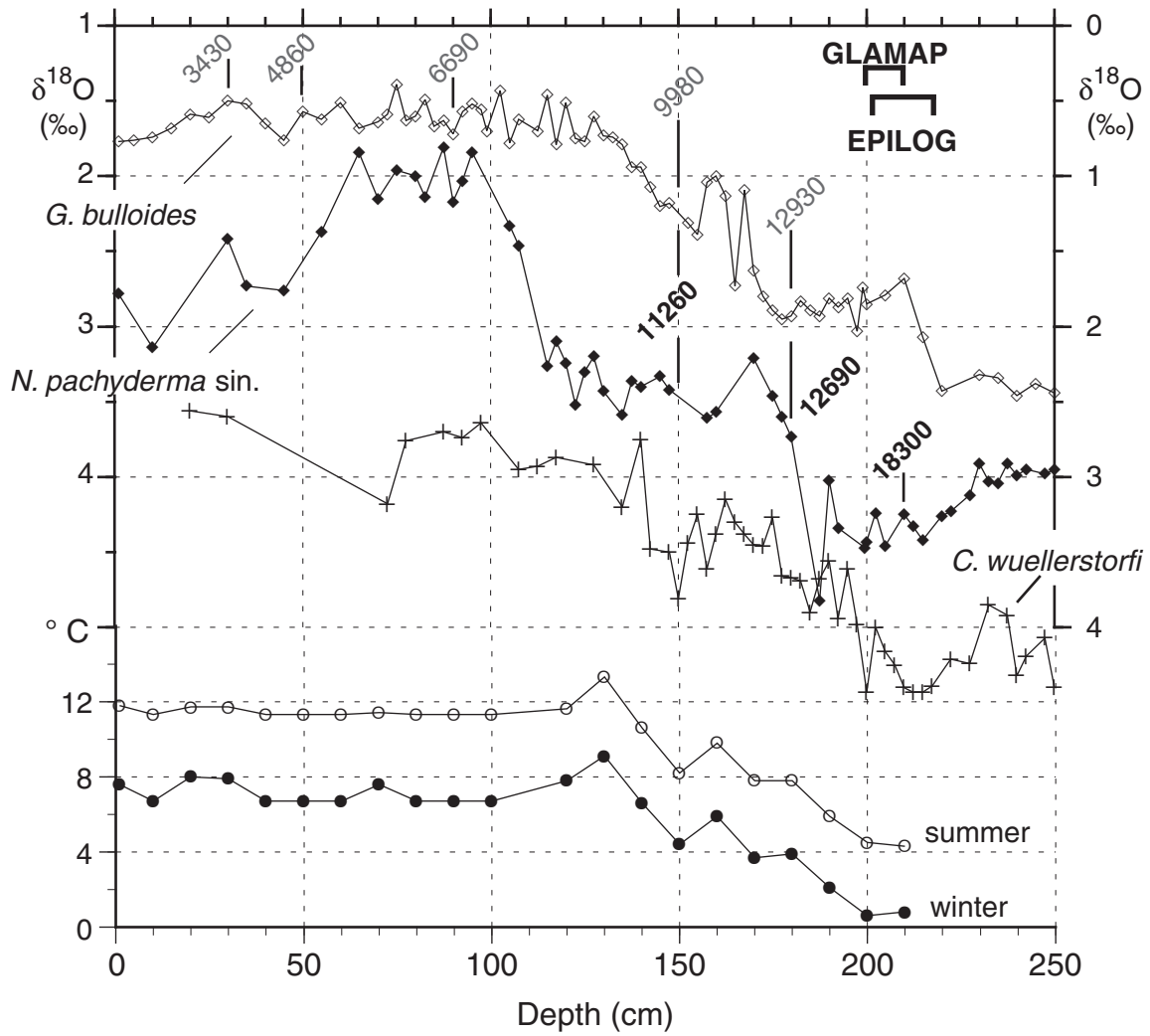
LGM foraminifera counts: Schulz (HS)

- GLAMAP: (in core -3) 200 cm orig. depth.
- EPILOG: (in core -3) 210 cm orig. depth.

References for faunal analysis:

- Schulz, H. (1995): Meeresoberflächentemperaturen vor 10.000 Jahren - Auswirkungen des frühholozänen Insulationsmaximums. - Ber.-Rep. Geol. Paläont. Inst. Univ. Kiel, 73, 156pp.

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16465: *N. pachyderma sin.*

18394: *G. bulloides*