

Core no. 23415-8 M.C. N 53° 19.7' W 19° 08.7' 2475 m b.s.l.
 23415-9 G.C. N 53° 10.7' W 19° 08.7' 2472 m b.s.l.

Age control:

Date: 04/1997

- *C. wuellerstorfi* and *N. pachyderma* sin. ¹⁸O records (Jung, 1996, M. Weinelt, 1997-2000, unpublished)
- AMS ¹⁴C dating on *N. pachyderma* sin. and *G. bulloides* (Weinelt, 1997, unpublished).

Core fit :

- None

Surface sediment age :

- 1470 yrs. BP, based on extrapolation of sedimentation rates.

Age/depth correlation (-9):

Orig. depth	¹⁴ C age	Error ±	Calendar years		Sed.rate	Original interval/ material/	Remarks
[cm]	[ky BP]		[ka]		[cm/ka]	δ ¹⁸ O stratigraphy	
0.0	1.47					extrapolated	
2.5	1.88	30	1.4	a)	- . -	AMS ¹⁴ C dating	<i>G. bulloides</i>
17.5	4.37	40	4.5	a)	4.8	AMS ¹⁴ C dating	<i>G. bulloides</i>
27.5	5.90	40	6.3	a)	5.6	AMS ¹⁴ C dating	<i>G. bulloides</i>
37.5	7.07	50	7.52	a)	8.2	AMS ¹⁴ C dating	<i>G. bulloides</i>
47.5	8.08	50	8.48	a)	10.4	AMS ¹⁴ C dating	<i>G. bulloides</i>
57.5	8.95	50	9.53	a)	9.5	AMS ¹⁴ C dating	<i>G. bulloides</i>
72.2	9.1		9.8	a)	54.4	AMS ¹⁴ C analogue	
85	10.4		12.4	a)	4.9	AMS ¹⁴ C analogue	
125	13.6		17.1	a)	8.5	AMS ¹⁴ C analogue	
135	14.8		18.3	a)	8.3	AMS ¹⁴ C analogue	
145	15.81	100	19.21	a)	11.0	AMS ¹⁴ C dating	<i>N. pachy. sin</i>
162.5	17.88	120	21.38	a)	8.1	AMS ¹⁴ C dating	<i>N. pachy. sin</i>
175	19.84	160	23.34	a)	- . -	AMS ¹⁴ C dating	<i>N. pachy. sin</i> , ignored
183			23.40		10.1	Top H2	
195	21.31	200	24.81	a)	8.5	AMS ¹⁴ C dating	<i>N. pachy. sin</i>
292.5	26		29.5	a)	20.8	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, Diss.Univ.Kiel, 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: 135-164 cm orig. depth in core (-9).
- EPILOG: 142-174 cm orig. depth in core (-9).

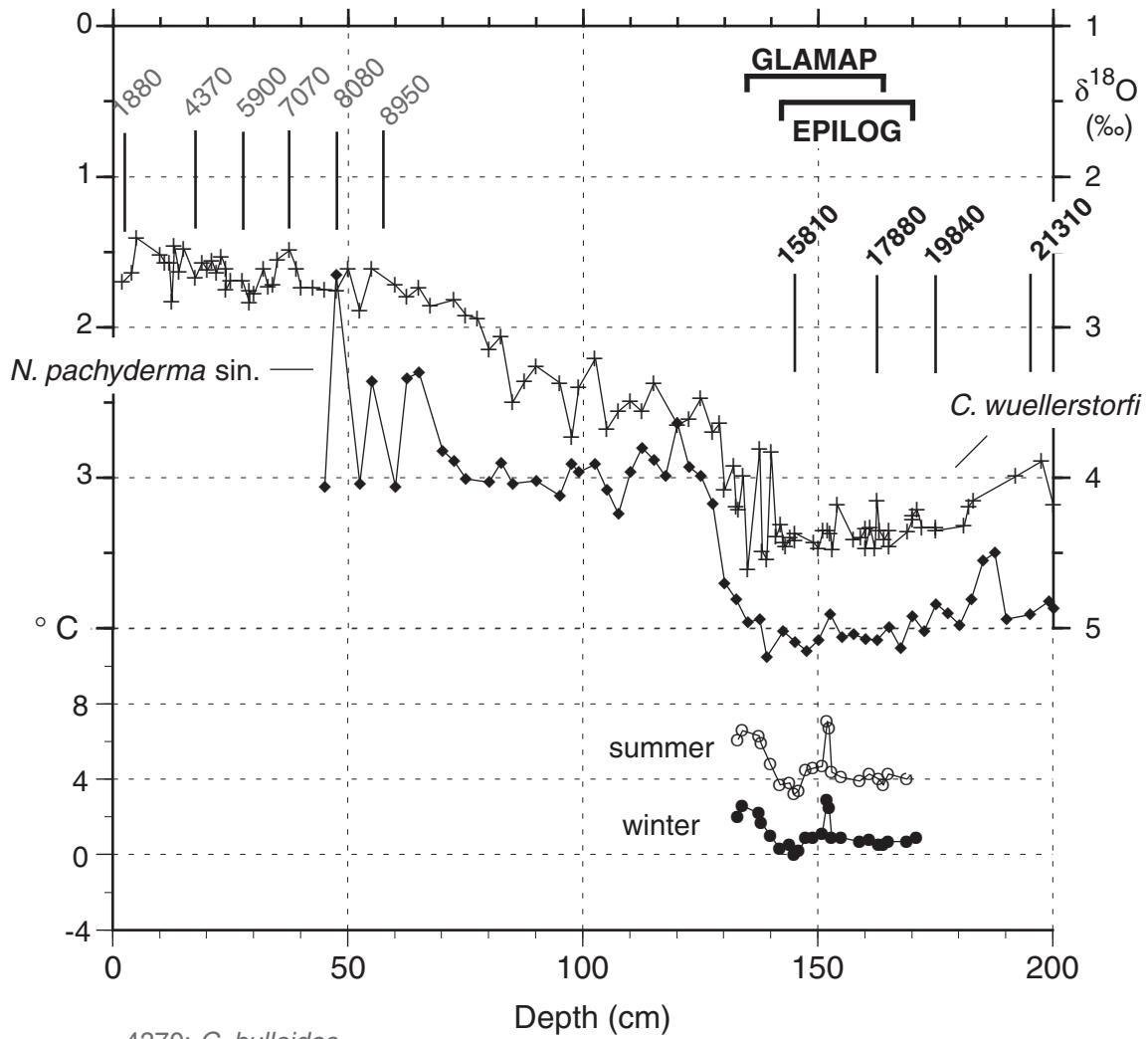
LGM foraminifera counts: Weinelt (MW)

- GLAMAP: (in core -9) 137.5, 138, 140, 142, 144, 145, 146, 147.5, 149, 151, 152, 152.5, 153, 155, 159, 161, 163, 164 cm orig. depth.
- EPILOG: (in core -9) 142, 144, 145, 146, 147.5, 149, 151, 152, 152.5, 153, 155, 159, 161, 163, 164, 165, 169, 171 cm orig. depth.

References for faunal analysis:

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

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4370: *G. bulloides*
15810: *N. pachyderma sin.*