

Core no. 23071-2 B.C. N 67° 05.10' E 2° 54.40': 1306 m b.s.l.
 23071-3 K.C. N 67° 05.10' E 2° 54.50': 1308 m b.s.l.

Age control: Date: 1999

- *N. pachyderma* sin. ¹⁸O record (Vogelsang, 1990; suppl. by Voelker, 1999).
- AMS ¹⁴C dating on *N. pachyderma* sin., measured in Kiel except for # = Aarhus, * = Gif-sur-Yvette (see table), (Vogelsang, 1990; suppl. by Voelker, 1999).

Core fit :

- 7 cm in -3 = 0 cm in -2, based on ¹⁸O

Surface sediment age :

- Zero, based on AMS ¹⁴C dating

Age/depth correlation :

Comp. depth [cm]	¹⁴ C age [ky BP]	Error ±	Calendar years [ka]		Sed.rate [cm/ky]	Original interval/ material/ ^δ ¹⁸ O stratigraphy	Core no.	Remarks
0.75#	1.61	70	1.52	a)	- . -	AMS ¹⁴ C dating	- 2	used in figure
15*	6.68	120	7.52	a)	2.4	AMS ¹⁴ C dating	- 2	used in figure
20	7.56	60	8.38	a)	5.8	AMS ¹⁴ C dating	- 2	used in figure
28.5	5.44	50			- . -	AMS ¹⁴ C dating	- 3	good, but ignored
46.5	10.57	70			- . -	AMS ¹⁴ C dating	- 3	good, but ignored
67.5	11.76	100	13.82	a)	8.7	AMS ¹⁴ C dating	- 3	used in figure
78*	12.55	220	14.42	a)	17.5	AMS ¹⁴ C dating	- 3	used in figure
85*	13.60	300			- . -	AMS ¹⁴ C dating	- 3	good, but ignored
86.5	13.84	100	16.94	b)	3.4	AMS ¹⁴ C dating	- 3	used in figure
96*	14.79	190		b)	12.4	AMS ¹⁴ C dating	- 3	used in figure
98.5			18.1	b)	6.2	Base H1	- 3	
98.5	17.03	120			- . -	AMS ¹⁴ C dating	- 3	good, but ignored
102	16.58	130			- . -	AMS ¹⁴ C dating	- 3	good, but ignored
115*	16.55	200			- . -	AMS ¹⁴ C dating	- 3	good, but ignored
119*	16.69	230			- . -	AMS ¹⁴ C dating	- 3	good, but ignored
123*	16.99	220	19.65	b)	15.9	AMS ¹⁴ C dating	- 3	used in figure
143*	18.52	240			- . -	AMS ¹⁴ C dating	- 3	good, but ignored
153*	18.79	240	21.54	b)	15.8	AMS ¹⁴ C dating	- 3	used in figure
173*	21.43	300			- . -	AMS ¹⁴ C dating	- 3	good, but ignored
213*	23.73	360	26.09	b)	13.2	AMS ¹⁴ C dating	- 3	used in figure
243	25.73	+330/ -310	29.13	b)	9.9	AMS ¹⁴ C dating, Top H3	- 3	used in figure
257	26.345	+340/ -330	30.23	b)	12.7	AMS ¹⁴ C dating	- 3	used in figure

¹⁴C ages measured in Kiel except for # = measured in Aarhus, * = measured in Gif-sur-Yvette.

a) calibr. after Stuiver et al. (1998)

b) after Voelker (1999).

Remarks:

- None

Original references:

- Vogelsang, E. (1990): Paläo-Ozeanographie des Europäischen Nordmeeres an Hand stabiler Kohlenstoff- und Sauerstoffisotope. - Ber. SFB 313 Univ. Kiel, 23, 136 pp.
- Voelker, A. (1999): Zur Deutung der Dansgaard-Oeschger Ereignisse in ultra-hochauflösenden Sedimentprofilen aus dem Europäischen Nordmeer. - Ber.-Rep. Inst. Geowiss. Univ. Kiel, 9,287 pp.

LGM time slice:

- GLAMAP: 98.5-147 cm comp. depth = 105.5-154 cm orig. depth in core (-3)
- EPILOG: 112-159 cm comp. depth = 117-166 cm orig. depth in core (-3)

LGM foraminifera counts: Vogelsang (EV)

- GLAMAP: (orig. depth in core -3) 105.5, 106.5, 108, 109.7, 111.5, 112.5, 113.5, 114.5, 116, 117, 118, 120, 128, 129, 130, 132.5, 134, 136, 138, 141, 143, 145, 147, 149, 153 cm
- EPILOG: (orig. depth in core -3) 117, 118, 120, 128, 129, 130, 132.5, 134, 136, 138, 141, 143, 145, 147, 149, 153, 155, 157, 159.5, 161.5, 162.5, 163.5 cm

References for faunal analysis:

- Weinelt et al., Paleoceanography, in prep.

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