

Core no. 23074-1 G.C. N 66° 40.00' E 4° 54.30': 1157 m b.s.l.
 23074-3 B.C. N 66° 40.40' E 4° 54.40': 1159 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. (Voelker, 1999).

Core fit :

- 18.5 cm in -1 = 0 cm in -3 based on ¹⁸O record.

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
0.5	0.29	30	0.312	a)		<i>G. bulloides</i>	-3	
18.5			11.6		1.6	Top Younger Dryas GISP 2	-3	
35.5	11.73	70	13.81	a)	7.7	AMS ¹⁴ C dating	-3	
47.5	11.92	70	13.95	a)	85.7	AMS ¹⁴ C dating	-1	
68.5	12.42	70	14.35	a)	52.5	AMS ¹⁴ C dating	-1	
94.5	13.45	70	16.16	b)	14.4	AMS ¹⁴ C dating	-1	
112.5	14.78	100	17.69			AMS ¹⁴ C dating	-1	ignored
124.5	14.8		18.3	b)	14.0	AMS ¹⁴ C analogue	-1	
135.5	15.50	80	18.52	b)	50.0	AMS ¹⁴ C dating	-1	
190.5	15.98	110	19.07	b)	100.0	AMS ¹⁴ C dating	-1	
230.5	16.58	+100 / -90	19.76	b)	58.0	AMS ¹⁴ C dating	-1	
245.5	16.88	110	20.1	b)	44.1	AMS ¹⁴ C dating	-1	
304.5	17.57	120	20.9	b)	73.8	AMS ¹⁴ C dating	-1	
324.5	17.98	110	21.37	b)	42.6	AMS ¹⁴ C dating	-1	
355.5	18.12	+130 / -120	21.53	b)	193.7	AMS ¹⁴ C dating	-1	
377.5	18.33	140	21.77	b)	91.7	AMS ¹⁴ C dating	-1	
399.5	18.83	140	22.35	b)	37.9	AMS ¹⁴ C dating	-1	
412.5	19.27	150	22.85	b)	26.0	AMS ¹⁴ C dating	-1	
422.5	19.54	140	23.17	b)	31.2	AMS ¹⁴ C dating	-1	
483			23.4		263.0	Top H2	-1	
628.5			27.8		33.1	D-O 3	-1	
636	24.2	+230/ -220	28.5	b)	10.7	AMS ¹⁴ C dating		
644.5			28.8		28.3	D-O 4	-1	
663.5			29.0		95.0	Top H3	-1	

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

b) after Voelker (1999).

Remarks:

- None

Original references:

- 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.
- Vogelsang, E. (1990): Paläo-Ozeanographie des Europäischen Nordmeeres an Hand stabiler Kohlenstoff- und Sauerstoffisotope. - Ber. SFB 313 Univ. Kiel, 23, 136 pp.

LGM time slice:

- GLAMAP: 125-350 cm comp. depth = 143.5-368.5 cm orig. depth in core (-1)
- EPILOG: 183-403.5 cm comp. depth = 201.5-422 cm orig. depth in core (-1)

LGM foraminifera counts: Dreger (DD), Vogelsang (EV)

- GLAMAP: (orig. depth in core -1) 144, 145, 152, 156, 166, 171, 176, 185, 196, 206, 210, 222, 232, 242, 252, 262, 271, 281, 291, 301, 311, 321, 331, 351 cm
- EPILOG: (orig. depth in core -1) 206, 210, 222, 232, 242, 252, 262, 271, 281, 291, 301, 311, 321, 331, 351, 371, 391, 393, 395, 411, 417 cm

References for faunal analysis:

- Pflaumann et al., Paleocyanography, in prep.
- Weinelt et al., Paleocyanography, in prep.

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