

Core no. PS 1230-1 B.C. N 78° 51.5' W 4° 46.8': 1235 m b.s.l.

Age control: Date: 09/2000

- *N. pachyderma* sin. <sup>18</sup>O record (Bauch et al., in press).
- AMS <sup>14</sup>C dating on *N. pachyderma* sin. (Bauch et al., in press).

Core fit :

- None

Surface sediment age :

- 0.5 cm = 2125 <sup>14</sup>C years, according to AMS <sup>14</sup>C dating (Bauch et al., in press).

Age/depth correlation :

Orig. depth	<sup>14</sup> C age	Error ±	Calendar years	Sed.rate	Original interval/ material/ <sup>δ</sup> <sup>18</sup> O stratigraphy	Remarks
[cm]	[ky BP]		[ka]	[cm/ky]		
0.5	2.125	75	2.17	- . -	AMS <sup>14</sup> C dating	
10.5	7.48	90	8.34	1.62	AMS <sup>14</sup> C dating	
14.5	10.47	110	12.33	1.00	AMS <sup>14</sup> C dating	
16.5	12.78	120	14.63	0.87	AMS <sup>14</sup> C dating	
20.5	15.73	120	18.68		AMS <sup>14</sup> C dating	
20.5	15.76	120	18.70	0.99	AMS <sup>14</sup> C dating	
24.5	15.76	110	18.85		AMS <sup>14</sup> C dating	
24.5	16.02	110	18.99	(13.8)	AMS <sup>14</sup> C dating	
29.5	19.68	250	23.21	1.2	AMS <sup>14</sup> C dating	
34.5	21.89	210	25.6	2.1	AMS <sup>14</sup> C dating	
35.5	22.7	360	26.5	1.1	AMS <sup>14</sup> C dating	
44.5	28.43	350	32.4	1.5	AMS <sup>14</sup> C dating	

a) Calendar years converted from <sup>14</sup>C years using CALIB-4. 1.2

b) beyond 20.3 <sup>14</sup>C ka, calendar years converted by applying the age shift determined by Voelker et al. (1998).

Remarks:

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Original references:

- Bauch,H., Erlenkeuser,H., Spielhagen,R.F., Struck,U., Matthiessen, J., & Heinemeier,J. (in press): Changes in deep and surface circulation in the subarctic during the past 30,000 years.- Quat. Sci. Rev.

LGM time slice:

- GLAMAP: 20-27 cm orig. depth in core (-1)
- EPILOG: 21-28 cm orig. depth in core (-1)

LGM foraminifera counts: Pflaumann (UP)

- GLAMAP: (in core -1) 20, 24, 26 cm orig. depth
- EPILOG: (in core -1) 24, 26 cm orig. depth

References for faunal analysis:

- Pflaumann et al., Paleoceanography, in prep.

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