

Core no. PS 2837-6 B.C. N 81° 14.00' E 02° 25.00': 1027 m b.s.l.  
 PS 2837-5 G.C. N 81° 13.99' E 02° 22.85': 1042 m b.s.l.

Age control:

Date: 11/2000

- *N. pachyderma* sin. <sup>18</sup>O record (Nørgaard-Pedersen et al., in prep.).
- AMS <sup>14</sup>C dating (Nørgaard-Pedersen et al., in prep.).

Core fit :

- 0 cm in core -6 = 0 cm in core -5

Surface sediment age :

- Close to 0 ka (10.5 cm = 135 <sup>14</sup>C years, according to AMS <sup>14</sup>C dating)

Age/depth correlation :

Orig. depth [cm]	<sup>14</sup> C age [ky BP]	Error ±	Calendar years [ka]		Sed.rate [cm/ky]	Original interval/ material/ <sup>δ</sup> <sup>18</sup> O stratigraphy	Core no.	Remarks
10.5	0.135	25	0.14	a)	75.0	AMS <sup>14</sup> C dating	- 6	<i>N. pachy.</i> sin.
50.5	1.73	40	1.70	a)	25.6	AMS <sup>14</sup> C dating	- 5	<i>N. pachy.</i> sin.
76.5	2.94	35	3.20	a)	17.3	AMS <sup>14</sup> C dating	- 5	<i>N. pachy.</i> sin.
111.5	4.57	45	5.30	a)	16.7	AMS <sup>14</sup> C dating	- 5	<i>N. pachy.</i> sin.
153.5	7.01	45	7.85	a)	16.5	AMS <sup>14</sup> C dating	- 5	<i>N. pachy.</i> sin.
182.5	7.77	60	8.53	a)	42.6	AMS <sup>14</sup> C dating	- 5	<i>N. pachy.</i> sin.
225.5	8.89	60	9.85	a)	32.6	AMS <sup>14</sup> C dating	- 5	<i>N. pachy.</i> sin.
300.5	12.26	60	14.31	a)	16.8	AMS <sup>14</sup> C dating	- 5	<i>N. pachy.</i> sin.
359.5	12.54	70	14.36	a)	1180.0	AMS <sup>14</sup> C dating	- 5	<i>N. pachy.</i> sin.
382.5	15.64	80	18.56	a)		AMS <sup>14</sup> C dating	- 5	<i>N. pachy.</i> sin., ignored
389	14.8		18.3		7.4	AMS <sup>14</sup> C analogue		
389.5	17.04	110	20.16	a)	- . -	AMS <sup>14</sup> C dating	- 5	<i>N. pachy.</i> sin.
415.5	23.83	180	27.8	b)	2.8	AMS <sup>14</sup> C dating	- 5	<i>N. pachy.</i> sin.
497.5	48.1	4810	50.0	b)	3.7	AMS <sup>14</sup> C dating	- 5	<i>N. pachy.</i> sin.

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:

- Nørgaard-Pedersen, N., Spielhagen, R., Erlenkeuser, H., Grootes, P.M., & Knies, J. (in prep.): The Arctic Ocean during the Last Glacial Maximum: Atlantic and Polar domains of surface water mass distribution and ice cover. - to be submitted to Paleoclimatology.

LGM time slice:

- GLAMAP: 389-395 cm orig. depth in core (-5)
- EPILOG: 389-397 cm orig. depth in core (-5)

LGM foraminifera counts: Pflaumann (UP), Vogelsang (EV)

- GLAMAP: (in core -5) 389, 395 cm orig. depth
- EPILOG: (in core -5) 389, 395, 397 cm orig. depth

References for faunal analysis:

- Pflaumann et al., Paleoclimatology, in prep.

# PS 2837-5

