

Core no. SO 82-5      N 59° 10.08'    W 30° 54.30':      1416 m b.s.l.

Age control:      Date: 2000

- AMS <sup>14</sup>C dating on *N. pachyderma* sin. (K.Lackschewitz, unpublished data; van Kreveld et al., 2000).
- *N. pachyderma* sin. <sup>18</sup>O record (Jung, 1996; van Kreveld et al., 2000).

Core fit :

- None

Surface sediment age :

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Age/depth correlation :

Orig. depth	<sup>14</sup> C age (lab. no.)	Error ±	Calendar years		Sed.rate	Original interval/ material/	Remarks
[cm]	[ky BP]		[ka]		[cm/ky]	δ <sup>18</sup> O stratigraphy	
95	14.8		18.3		- . -	AMS <sup>14</sup> C analogue	
95	15.84	110	18.89	a)	- . -	AMS <sup>14</sup> C dating	ignored
110	16.96	70	20.53	a)	6.7	AMS <sup>14</sup> C dating	
120	18.15	150	21.63	a)	8.8	AMS <sup>14</sup> C dating	
128	18.51	140	22.05	a)	19.0	AMS <sup>14</sup> C dating	
134	19.21	60	22.38	a)	18.2	AMS <sup>14</sup> C dating	
138	18.17	150	22.89	a)	7.9	AMS <sup>14</sup> C dating	
145	19.85	170	23.26	a)	18.9	AMS <sup>14</sup> C dating	
152	20.39	190	23.75	a)	14.4	AMS <sup>14</sup> C dating	
156	20.67	170	24.06	a)	12.7	AMS <sup>14</sup> C dating	
160	20.01	180	24.80	a)	5.4	AMS <sup>14</sup> C dating	
164	21.61	190	25.26	a)	8.8	AMS <sup>14</sup> C dating	
168	22.30	210	25.66	a)	9.9	AMS <sup>14</sup> C dating	
172	22.75	220	25.93	a)	14.7	AMS <sup>14</sup> C dating	
176	23.11	210	26.67	a)	5.4	AMS <sup>14</sup> C dating	
182	23.56	210	27.11	a)	13.6	AMS <sup>14</sup> C dating	
187	24.41	200	27.41	a)	16.9	AMS <sup>14</sup> C dating	
191	24.39	250	27.52	a)	35.7	AMS <sup>14</sup> C dating	
195	24.52	260	27.79	a)	14.7	AMS <sup>14</sup> C dating	
200	25.24	270	28.07	a)	18.1	AMS <sup>14</sup> C dating	

Remarks:

- Calendar years converted from <sup>14</sup>C years using INTCAL 98.

Original references:

- van Kreveld, S., Sarnthein, M., Erlenkeuser, H., Grootes, P., Jung, S., Nadeau, M. J., Pflaumann, U. & Voelker, A. (2000): Potential links between surging ice sheets, circulation changes, and the Dansgaard-Oeschger cycles in the Irminger Sea, 60-18 kyr. - *Paleoceanography*, 15, 425-442.
- Jung, S. A. (1996): Wassermassenaustausch zwischen dem NE-Atlantik und dem Europäischen Nordmeer während der letzten 300.000/80.000 Jahre im Abbild stabiler O- und C-Isotope. Ber.SFB 313 Univ.Kiel, 61, 104 pp

LGM time slice:

- GLAMAP: 95-120 cm orig. depth
- EPILOG: 100-135 cm orig. depth

LGM foraminifera counts: van Kreveld (SK), Pflaumann (UP)

- GLAMAP: 95, 100, 105, 110, 115, 120 cm orig. depth
- EPILOG: 100, 105, 110, 115, 120, 121, 122, 123, 124, 125, 126, 127, 128, 128, 130, 131, 132, 133, 134, 135 cm orig. depth

References for faunal analysis:

- van Kreveld, S., Sarnthein, M., Erlenkeuser, H., Grootes, P., Jung, S., Nadeau, M. J., Pflaumann, U. & Voelker, A. (2000): Potential links between surging ice sheets, circulation changes, and the Dansgaard-Oeschger cycles in the Irminger Sea, 60-18 kyr. - *Paleoceanography*, 15, 425-442.

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