

Table 2: File "Supplemental Material 1" - KIA dates were analysed by AMS at Leibniz Laboratory, University of Kiel, CAMS dates at Lawrence Livermore National Laboratory, University of California (Morley et al., 1995). All 14C ages (including the CAMS dates) were recalculated on the basis of a background 14C age of 57.4 ka measured on *N. pachyderma* (s.) from the isotope stage 6 interval of ODP Site 883 (Kiefer et al., 2001). Asterisks mark samples that provide control points for the age model of Fig. 3. 14C reservoir ages for the last 10 14C ka after Sounth and Fedje (2003). Reservoir ages for 10-17 14C ka were derived from ages at top and base of 14C plateaus in Core MD01-2416 per analogy to plateau ages of Hughen et al. (2004). Further back, reservoir ages with question marks were simply extrapolated.

Table 2

Laboratory number	Depth (cm)	Foraminifera dated	^{14}C Age (yr)	$\pm 1\sigma$ (yr)	Reservoir age (yr)	Corrected ^{14}C age (years)	Calendar age (yr BP)	Alternative age assignments	Comment
<u>MD01-2416</u>									
KIA20147	0.75 *	<i>N. pachyderma s.</i>	5,660	25	600	5,060	5,750/5,750/5,835/5,875	INTCAL04	(short plateau)
KIA20148	16 *	<i>N. pachyderma s.</i>	6,715	30	600	6,115	6,985	INTCAL04	
KIA20149	39	<i>N. pachyderma s.</i>	7,835	30	600	7,235	8,150	8,015/8,150	INTCAL04 (ignored, above ash, too young)
	40-48					9,200–10,000			
	50					ca. 10,000			Geomagnetic paleointensity minimum
KIA20150	51 *	<i>N. pachyderma s.</i>	9,985	35	550	9,435	10,675	INTCAL04	
KIA17473	88 *	<i>N. pachyderma s.</i>	12,690	45	450	12,240	14,300	ka	
KIA17474	88	mixed benthics	13,655	55	1,450	12,200	--		Ignored (^{14}C reservoir age derived)
KIA22328	91	<i>N. pachyderma s.</i>	12,750	45	450	12,300	14,480		Within small ^{14}C plateau
KIA22329	96 *	<i>N. pachyderma s.</i>	12,555	45	450	12,105	14,800		Base of small ^{14}C plateau at 14,85 ka
KIA22834	104 *	<i>N. pachyderma s.</i>	13,090	70	350	12,740	15,200		Top of ^{14}C megaplateau at 15,2 ka
KIA22835	107	<i>N. pachyderma s.</i>	12,940	80	350	12,590	15,330		Interpolated within ^{14}C megaplateau
KIA14764	115	<i>N. pachyderma s.</i>	13,205	55	350	12,855	15,680		Interpolated within ^{14}C megaplateau
KIA14775	125	<i>N. pachyderma s.</i>	13,160	80	350	12,810	16,110		Interpolated within ^{14}C megaplateau
KIA16444	136 *	<i>N. pachyderma s.</i>	13,090	60	350	12,740	16,650		Base of ^{14}C megaplateau at 16,7 ka
KIA14765	145 *	<i>N. pachyderma s.</i>	13,920	65	350	13,570	17,020		
KIA16445	163	<i>N. pachyderma s.</i>	11,790	55	350	11,440	--		Ignored (biased by bioturbation)
KIA17085	163	<i>N. pachyderma s.</i>	11,255	40	350	10,900	--		Ignored (biased by bioturbation)
KIA16446	163	mixed benthics	16,960	160	2,560	14,400	--		Ignored (^{14}C reservoir age derived)
KIA17475	166	<i>N. pachyderma s.</i>	14,320	45	350	13,970	--		Ignored (biased by bioturbation)
KIA26412	177 *	<i>N. pachyderma s.</i>	15,380	70	350	15,030	? 18,400		
					?	?			
KIA26413	199 *	<i>N. pachyderma s.</i>	16,230	90	350	15,880	? 19,200 ? 18,900/19,200		
<u>ODP Site 883</u>									
KIA8200	3	<i>N. pachyderma s.</i>	5,495	35	600	4,895	5,600	INTCAL04	
KIA8201	14.5	<i>N. pachyderma s.</i>	7,750	35	600	7,150	7,960	INTCAL04	
KIA8202	24	<i>N. pachyderma s.</i>	9,070	35	600	8,470	9,475	INTCAL04	
KIA8203	44 *	<i>N. pachyderma s.</i>	10,555	40	500	10,055	11,610	INTCAL04	
KIA8748	44	mixed benthics	11,890	80	1,835	10,055	--		Ignored (^{14}C reservoir age derived)
KIA8204	51 *	<i>N. pachyderma s.</i>	12,715	50	450	12,265	14,250		Near top of small ^{14}C plateau
KIA8749	51	mixed benthics	13,420	90	1,155	12,265	--		Ignored (^{14}C reservoir age derived)
KIA8750	64.5 *	<i>N. pachyderma s.</i>	13,435	60	350	13,085	15,350	ka	
CAMS11424	81 *	<i>N. pachyderma s.</i>	13,630	80	350	13,280	16,700		Near base ^{14}C megaplateau at 16,7 ka
KIA7161	107 *	<i>N. pachyderma s.</i>	17,010	75	350	16,660	? 19,960		
CAMS11425	141 *	<i>N. pachyderma s.</i>	20,330	160	350	19,980	? 22,980		Top of ^{14}C plateau at 20 ka
KIA7162	144 *	<i>N. pachyderma s.</i>	20,470	140	350	20,120	? 23,300		Base of ^{14}C plateau at 20 ka

Table 1: Electronic supplement:

References for Table 1

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