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Supplementary information for

Correlation between Arabian Sea and Greenland climate oscillations of the past 110,000 years

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Table of analytical data on Arabian Sea sediment cores

AMS-¹⁴C measurements on planktic foraminiferal calcite measured in the Leibniz-Labor für Altersbestimmung und Isotopenforschung, Universität Kiel (Prof. Dr. P.M. Grootes). Raw ages are given as years BP before 1950, $T_{1/2}=5568$ (¹⁴C-age yr BP). 111KL and 136KL are SONNE cruise 90 cores SO90-111KL and SO90-136KL. Origin of sampled intervals is indicated by laminated (lam.) and bioturbated (biot.) sediment. Planktic foraminiferal species picked from the 250-500μm size fraction are *Globigerinoides sacculifer* (G.s.), *Globigerinoides ruber* (G.r.) and *Neogloboquadrina dutertrei* (N.dut.). Ages were converted to a calendar timescale (Cal. Age yr BP) following Bard, E., Rostek, F. & Sonzogni C. *Nature* **385**, 707-710 (1997), except for sample KIA191 following Stuiver, M. & Braziunas T.F. *Radiocarbon* **35**, 137-189 (1993), after a correction of -640 years for a local ocean reservoir effect determined from varved surface sediments from box cores where 67 and 95 varve years before 1993 revealed AMS-¹⁴C ages of 664 ±25 and 705±23 years, respectively.

Lab-No.	Core-No.	Depth (cm)	Facies	Species	¹⁴ C-age (yr BP)	1σ (yr)	1σ (yr)	Cal. Age (yr BP)
KIA191	111KL	68-72	lam	G.s.	8610	+80	-80	9230
KIA192	111KL	198-202	lam	G.s.	11890	+120	-120	13090
KIA063	111KL	258-262	biot	G.s.	12230	+120	-120	13520
KIA193	111KL	378-382	lam	G.s.	16830	+210	-210	19170
KIA194	111KL	488-492	lam	G.s.	19240	+290	-290	22020
KIA195	111KL	558-562	biot	G.s.	22100	+400	-400	25330
KIA196	111KL	618-622	lam	G.s.	23620	+480	-480	27050
KIA197	111KL	668-672	lam	G.s.	24830	+290	-290	28390
KIA198	111KL	818-822	biot/lam	G.s.	30170	+1120	-980	34140
KIA199	111KL	858-862	biot/lam	G.s.	31960	+1130	-990	35990
KIA762	136KL	698-704	biot/lam	G.s.	27540	+600	-560	31350
KIA763	136KL	743-749	lam	G.r.	28840	+740	-680	32740
KIA764	136KL	782-786	lam	G.s.	30040	+890	-800	34000
KIA765	136KL	832-837	lam	G.r.	30000	+860	-780	33960
KIA766	136KL	951-957	lam	N.dut.	31450	+1050	-930	35470
KIA767	136KL	1002,5-1007,5	biot	G.s.+G.r.	36380	+1950	-1570	40400
KIA768	136KL	1059-1063	lam	G.s.	36070	+1970	-1580	40100