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Influence of the North Atlantic subpolar gyre circulation on the 4.2 ka BP event

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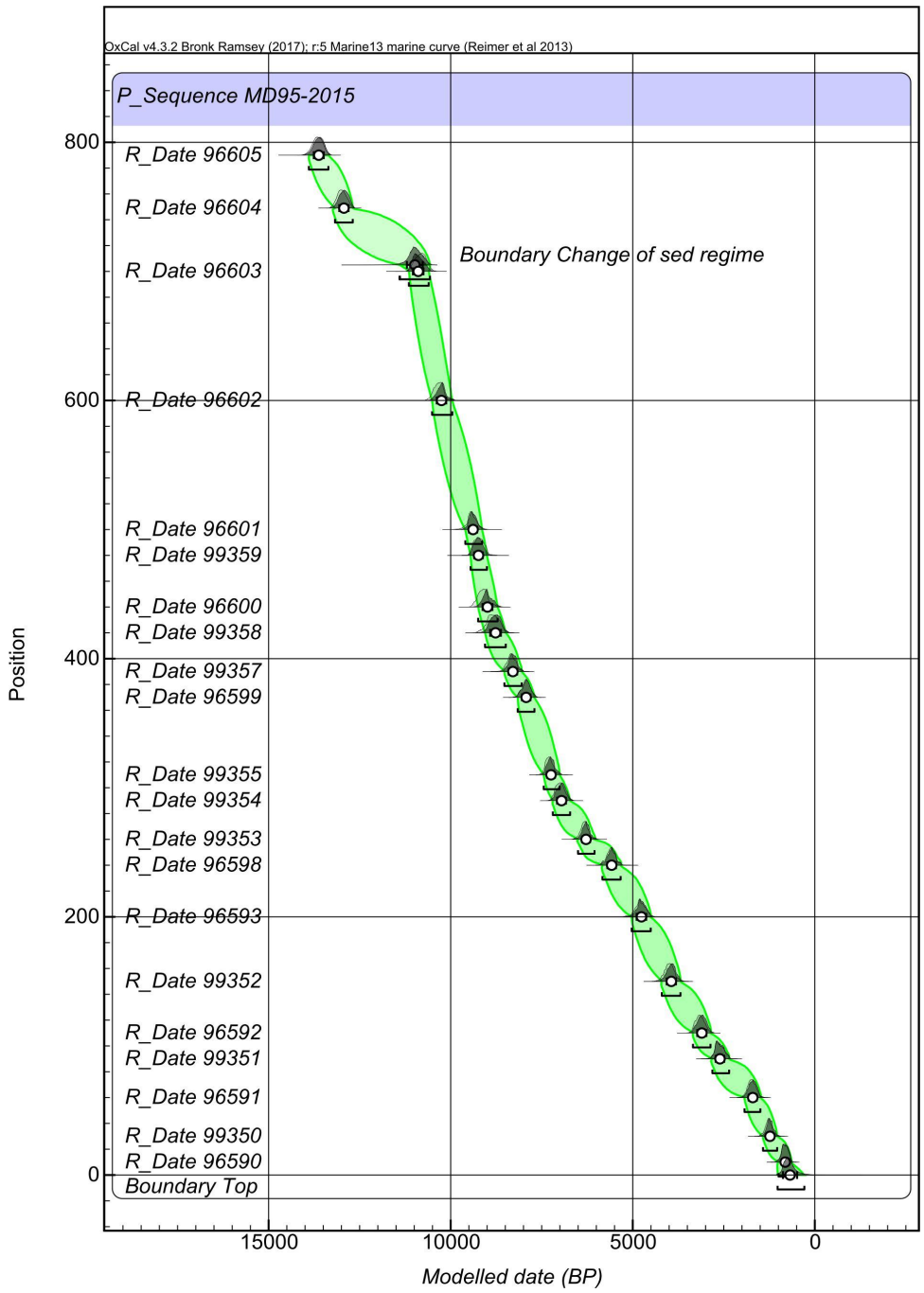

Figure S1: Age model of the core MD95-2015 calculated using the Bayesian Oxcal4.3 software (Ramsey, 2017), the MARINE13 calibration data set (Reimer et al., 2013) and a ΔR = 73±69 calculated as the mean value of the eight nearest site reservoir ages obtained from the Global Marine Reservoir Database (http://calib.org/marine/). The green lines represent 1σ age uncertainty.

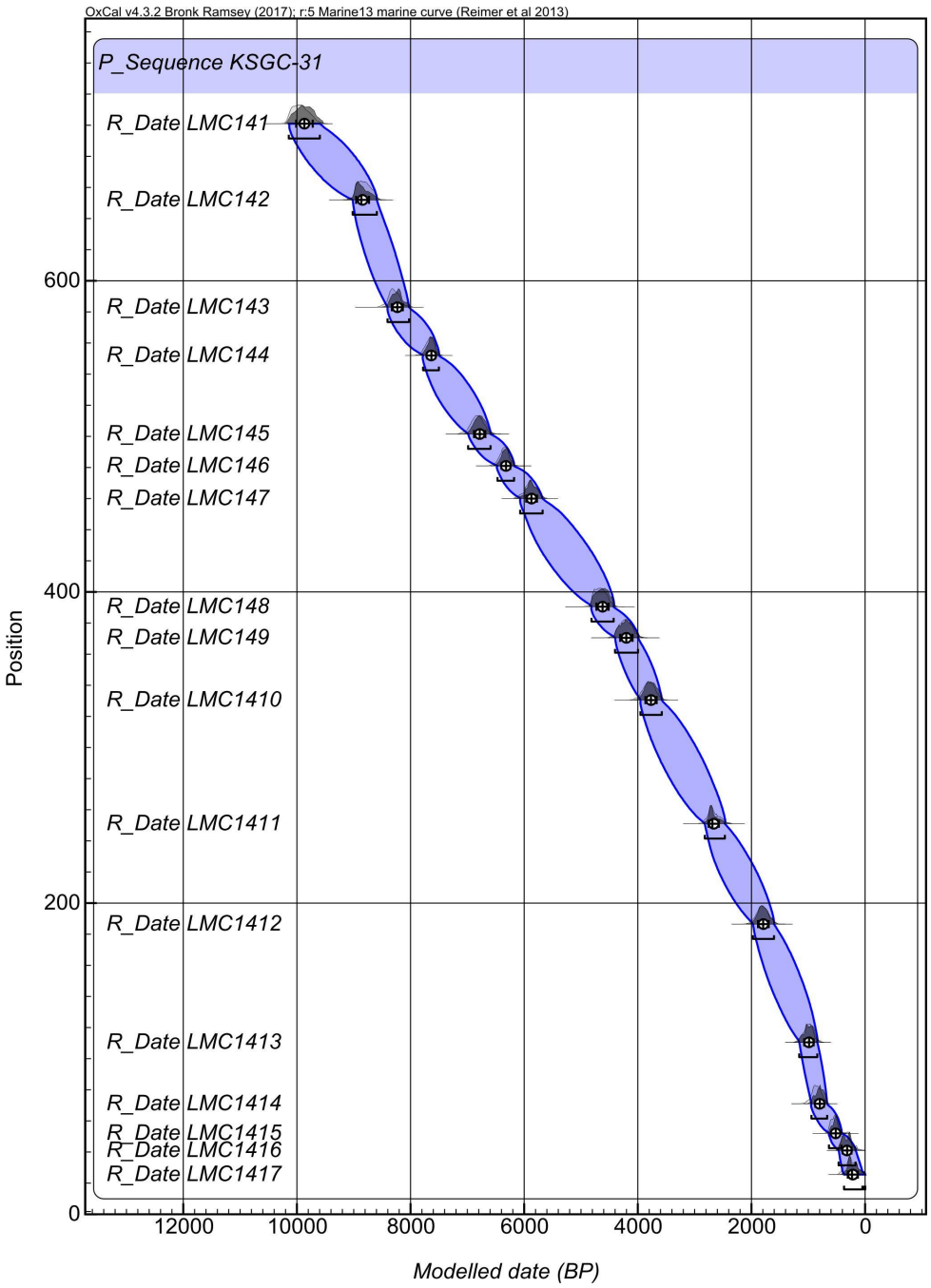

Figure S2: Age model of the core KSGC-31 calculated using the Bayesian Oxcal4.3 software (Ramsey, 2017), the MARINE13 calibration data set (Reimer et al., 2013) and a ΔR = 23±71 calculated as the mean value of the eight nearest reservoir ages obtained from the Global Marine Reservoir Database (http://calib.org/marine/). The blue lines represent 1σ age uncertainty.

Table S1: Age models of the MD95-2015 and KSGC-31 sediment cores. Radiocarbon ages have been calibrated using the Bayesian approach of OxCal4.3 software (Ramsey, 2017), the MARINE13 calibration data set (Reimer et al., 2013) and a ΔR = 73±69 for MD95-2015 and 23±71 for KSGC31 obtained from the Global Marine Reservoir Database using the eight nearest reservoir ages (http://calib.org/marine/).

Core	Depth (cm)	Lab. No.	Material	^{14}C Ages (BP) ± 1 Sigma	Modelled Age (Cal BP) ± 1 Sigma
MD95-2015	0.5		Core Top		680 ± 194
MD95-2015	10	LMC14-96590	*Globigerina bulloides*	1350 ± 60	813 ± 92
MD95-2015	30	LMC14-99350	*Globigerina bulloides*	1790 ± 60	1231 ± 94
MD95-2015	60	LMC14-96591	*Globigerina bulloides*	2220 ± 60	1704 ± 110
MD95-2015	90	LMC14-99351	*Globigerina bulloides*	2960 ± 60	2605 ± 118
MD95-2015	110	LMC14-96592	*Globigerina bulloides*	3390 ± 60	3103 ± 124
MD95-2015	150	LMC14-99352	*Globigerina bulloides*	4060 ± 60	3941 ± 128
MD95-2015	200	LMC14-96593	*Globigerina bulloides*	4660 ± 70	4762 ± 131
MD95-2015	240	LMC14-96598	*Globigerina bulloides*	5310 ± 80	5579 ± 119
MD95-2015	260	LMC14-99353	*Globigerina bulloides*	5980 ± 70	6283 ± 107
MD95-2015	290	LMC14-99354	*Globigerina bulloides*	6570 ± 70	6955 ± 122
MD95-2015	310	LMC14-99355	*Globigerina bulloides*	6850 ± 80	7244 ± 108
MD95-2015	390	LMC14-96599	*Globigerina bulloides*	7540 ± 90	7927 ± 116
MD95-2015	390	LMC14-99357	*Globigerina bulloides*	7950 ± 90	8292 ± 116
MD95-2015	420	LMC14-99358	*Globigerina bulloides*	8370 ± 100	8768 ± 134
MD95-2015	440	LMC14-96600	*Globigerina bulloides*	8560 ± 80	8989 ± 134
MD95-2015	480	LMC14-99359	*Globigerina bulloides*	8660 ± 90	9236 ± 117
MD95-2015	500	LMC14-96601	*Globigerina bulloides*	8840 ± 90	9385 ± 112
MD95-2015	600	LMC14-96602	*Globigerina bulloides*	9540 ± 90	10252 ± 130
MD95-2015	700	LMC14-96603	*Globigerina bulloides*	9940 ± 90	10891 ± 144
MD95-2015	749	LMC14-96604	*Globigerina bulloides*	11590 ± 90	12932 ± 127
MD95-2015	790	LMC14-96605	*Globigerina bulloides*	12270 ± 100	13622 ± 137
KSGC-31	0.5		Core Top		-21

KSGC-31	25.5	LMC14	*Venus* sp.	640 ± 30	224 ± 90
KSGC-31	41	LMC14	*Pecten* sp.	700 ± 30	325 ± 80
KSGC-31	52	LMC14	Indet. bivalve	960 ± 30	523 ± 58
KSGC-31	71	LMC14	*Arca tetragona*	1340 ± 30	807 ± 78
KSGC-31	110.5	LMC14	*Venus* sp.	1465 ± 30	995 ± 86
KSGC-31	186.5	LMC14	*Nucula* sp	2235 ± 40	1797 ± 97
KSGC-31	251	LMC14	Juvenile bivalve shells (ind.)	2940 ± 30	2670 ± 92
KSGC-31	330.5	LMC14	*Venus casina*	3870 ± 30	3775 ± 103
KSGC-31	370.5	LMC14	*Nuculana* sp.	4170 ± 30	4210 ± 112
KSGC-31	390.5	LMC14	*Turritella* sp.	4500 ± 30	4629 ± 111
KSGC-31	460	LMC14	*Venus* sp.	5530 ± 45	5876 ± 98
KSGC-31	481	LMC14	*Ostrea* sp	5955 ± 35	6328 ± 79
KSGC-31	501.5	LMC14	*Turritella* sp.	6380 ± 50	6790 ± 103
KSGC-31	552	LMC14	Shells (mixed)	7215 ± 30	7641 ± 73
KSGC-31	583	LMC14	*Turritella* sp.	7860 ± 60	8239 ± 99
KSGC-31	652	LMC14	*Turritella* sp.	8310 ± 35	8852 ± 117
KSGC-31	701	LMC14	*Turritella* sp.	9190 ± 50	9867 ± 148