

Supplementary Material

Supplementary Table 1. Data from the 24 marine sedimentary records on the SW Atlantic that were used in this study.

Core ID	Lat (°S)	Long (°W)	Depth (m)	Proxy Type	Age Model	Age range	References
6951	23	41,58	<100	UK'37	¹⁴ C	1410-1890	Lourenço et al. (2017)
6952	23	41,55	<100	UK'37	¹⁴ C	1300-1820	Lourenço et al. (2017)
BCCF1001	23	42	128	UK'37	¹⁴ C	1846-2010	Cordeiro et al. (2014)
BCCF1009	23	41,73	117	UK'37	¹⁴ C	1895-2007	Cordeiro et al. (2014)
6949	23,03	42	<100	UK'37	¹⁴ C	1320-1720	Lourenço et al. (2017)
6953	23,03	41,54	<100	UK'37	¹⁴ C	1320-1680	Lourenço et al. (2017)
BCCFF1015	23,586	41,8761	79	UK'37	¹⁴ C	1974-2010	Cordeiro et al. (2014)
NAP62-2	24,04	44,54	121	Mg/Ca (<i>G.ruber</i>)	¹⁴ C	778-2013	This study
7616	25	45,6	89	Mg/Ca (<i>G.ruber</i>)	¹⁴ C	59-987	Nagai et al. (2020)
378-1	25,058	45,4982	94	UK'37	²¹⁰ Pb	1958-2017	Timoszczuk (2021)
378-2	25,058	45,4982	94	UK'37	¹⁴ C	8-1549	Nascimento (2024)
377	25,481	46,587	93	UK'37	²¹⁰ Pb	1883-2017	Nascimento (2024)
7610	25,5	46,6	89	Mg/Ca (<i>G.ruber</i>)	¹⁴ C	5-1275	Nagai et al. (2020)
NAP68-2	25,79	45,02	1393	Mg/Ca (<i>G.ruber</i>)	¹⁴ C	23-285	This study
LaPAS-KF02	25,84	45,2	827	MAT (<i>G.ruber</i>)	¹⁴ C	61-1972	Pivel et al. (2013)
373	26,218	47,491	62	UK'37	²¹⁰ Pb	1883-2013	Timoszczuk (2021)
7606	26,591	48,043	60	UK'37	¹⁴ C	39-1223	Bícego et al. (2021)
367	27,263	48,027	84	UK'37	²¹⁰ Pb	1898-2017	Timoszczuk (2021)
583	28,88	48,104	93	UK'37	²¹⁰ Pb	1939-2014	Timoszczuk (2021)
576	29,498	49,921	97	UK'37	²¹⁰ Pb	1799-2017	Timoszczuk (2021)
573	30,596	50,674	100	UK'37	²¹⁰ Pb	1864-2018	Timoszczuk (2021)
565	32,498	50,55	71	UK'37	²¹⁰ Pb	1864-1991	Timoszczuk (2021)
GeoB6211	32,51	50,24	654	Ig/Ca (<i>G.ruber white</i>)	¹⁴ C	945-1957	Chiessi et al. (2014)
556	33,45	52,182	67	UK'37	²¹⁰ Pb	1940-2017	Timoszczuk (2021)

MAT = (Modern Analogue Technique); *G. ruber* = *Globigerinoides ruber pink* (placktonic foraminifera)

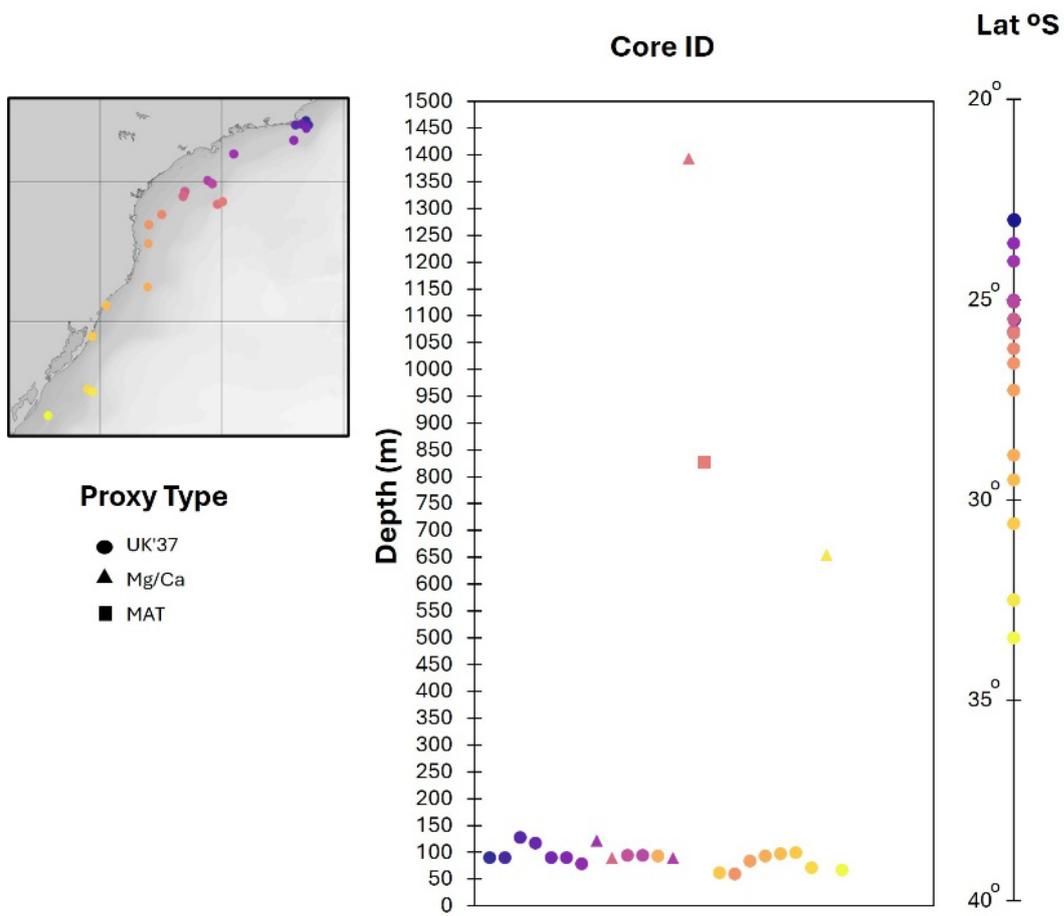
RWP (Roman Warm period, 0 – 400 CE)

LALIA (Late Antique Little Ice Age, 400-800 CE)

MCA (Mediaeval Climate Anomaly, 800 – 1200 CE)

LIA (Little Ice Age, 1300-1850 CE)

Supplementary Figure 1. Depth and latitudes of all records.



References

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