

Table S2. Mg/Ca ratios and estimated sea surface temperature (SST) record covering ~ 8 -14 ka.

Depth (cm)	Age (cal yr BP)	Mg/Ca (mmol/mol)	SST (°C)
1835	8030.7	4.89	26.5
1840	8089.2	5.06	26.9
1845	8147.6	4.79	26.3
1850	8206.1	4.84	26.4
1855	8264.5	4.96	26.7
1860	8323.0	5.12	27.0
1865	8381.4	4.73	26.2
1875	8498.3	4.92	26.6
1880	8556.8	4.70	26.1
1885	8615.2	5.09	27.0
1890	8673.7	4.92	26.6
1895	8732.1	4.80	26.3
1905	8849.0	4.89	26.5
1910	8892.6	4.72	26.1
1915	8936.2	4.91	26.6
1920	8979.8	4.78	26.3
1925	9023.4	4.96	26.7
1930	9067.0	4.72	26.1
1935	9110.6	4.77	26.3
1940	9154.2	4.62	25.9
1945	9197.8	4.89	26.5
1950	9241.4	4.85	26.4
1955	9285.0	4.64	26.0
1960	9328.6	4.78	26.3
1965	9372.2	5.21	27.2
1970	9415.8	4.76	26.2
1975	9459.4	4.85	26.4
1980	9503.0	4.55	25.7
1985	9546.6	4.69	26.1
1990	9590.2	4.46	25.5
1995	9633.8	4.88	26.5
2005	9721.0	4.82	26.4
2010	9791.0	4.72	26.1
2015	9860.9	4.60	25.8
2020	9930.9	4.40	25.3
2025	10000.8	4.82	26.4
2030	10070.8	4.47	25.5
2035	10140.7	4.68	26.0
2040	10210.7	5.03	26.8
2045	10280.6	4.74	26.2
2050	10350.6	4.77	26.3
2055	10420.5	4.71	26.1
2060	10490.5	4.30	25.1
2065	10560.4	4.63	25.9
2070	10630.4	4.50	25.6
2075	10700.3	5.05	26.9
2080	10770.3	4.96	26.7
2085	10840.2	5.57	28.0

Sheet1

2090	10910.2	4.79	26.3
2095	10980.1	4.87	26.5
2105	11120.0	5.03	26.8
2110	11181.8	4.75	26.2
2115	11243.6	4.36	25.3
2120	11305.4	4.73	26.2
2125	11367.2	4.77	26.2
2130	11429.0	4.47	25.5
2135	11490.8	4.97	26.7
2140	11552.6	4.96	26.7
2145	11614.4	4.79	26.3
2150	11676.2	4.70	26.1
2155	11738.0	4.72	26.2
2160	11799.8	5.00	26.8
2165	11861.6	4.86	26.5
2170	11923.4	4.84	26.4
2175	11985.2	4.98	26.7
2180	12047.0	4.90	26.5
2185	12108.8	4.82	26.4
2190	12170.6	4.61	25.9
2195	12232.4	4.32	25.1
2205	12356.0	4.97	26.7
2210	12417.4	4.21	24.9
2215	12478.8	4.61	25.9
2220	12540.2	4.47	25.5
2225	12601.6	4.22	24.9
2230	12663.0	4.48	25.6
2235	12724.5	4.38	25.3
2240	12785.9	4.22	24.9
2245	12847.3	4.40	25.4
2250	12908.7	4.33	25.2
2255	12970.1	4.47	25.5
2260	13031.5	4.38	25.3
2265	13092.9	4.47	25.5
2270	13154.3	4.31	25.1
2275	13215.7	4.46	25.5
2280	13277.1	4.38	25.3
2285	13338.5	4.32	25.2
2290	13400.0	4.70	26.1
2295	13461.4	4.94	26.7
2315	13742.8	4.75	26.2
2320	13760.7	4.59	25.8
2325	13778.6	4.66	26.0
2330	13796.5	4.31	25.1
2335	13814.4	4.36	25.3
2340	13832.3	4.30	25.1
2345	13850.2	4.57	25.8
2350	13868.1	4.15	24.7
2355	13886.0	4.38	25.3
2360	13903.9	4.52	25.7
2365	13921.8	4.38	25.3

Sheet1

2370	13939.7	4.49	25.6
2375	13957.6	4.41	25.4
2380	13975.5	4.46	25.5
2385	13993.4	4.23	24.9
2390	14011.3	5.05	26.9
2395	14029.2	4.49	25.6