

Appendix D

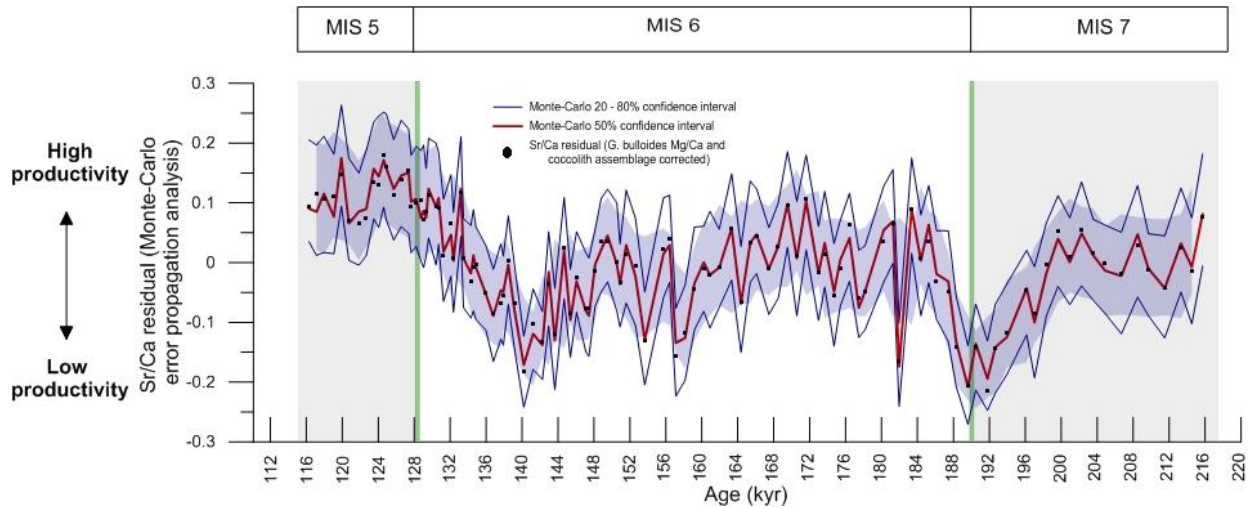


Figure D1. Cocolith Sr/Ca productivity record from core MD96-2080 illustrating confidence intervals derived from Monte-Carlo simulations as described in section 4.1.2 of the main text. Black data points illustrate direct application of the temperature and assemblage correction to Sr/Ca measurements with no error propagation. Analytical errors of temperature and Sr/Ca measurements, quantification of species and uncertainties of the temperature and assemblage dependencies were included in the Monte-Carlo analysis. Red line is the 50% confidence interval, blue lines include the 20-80% confidence intervals and the blue shaded area covers the 20-80% confidence intervals when applying a 3 point running average to highlight the long term productivity trend discussed in this paper.