

Millennial-Scale Dynamics of the CO₂ Super-Greenhouse at the End-Triassic Extinction

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Abstract: We propose an interdisciplinary, millennial scale analysis of two well-studied marine sections in the United Kingdom to clarify the events around the initiation of the CO₂ doubling at the end-Triassic extinction (ETE). The existing framework of high-precision zircon ages, cycle stratigraphy, and magnetostratigraphy, makes this study well poised as a proof of concept for a global high-resolution analysis of the best example of a mass-extinction forced by the emplacement of a large igneous province.