



Magnetostratigraphic calibration of the Early Eocene Climatic Optimum

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Over the decades of ocean drilling, much progress has been made in the calibration of the geological time scale through directly tying biostratigraphic and chemostratigraphic records to the magnetostratigraphy and thence to a common geological time scale. Yet several important lacunae are apparent on close examination of the original sources. In particular, it has been remarkably difficult to tie the isotopic, chemo- and biostratigraphic records spanning the Early Eocene Climatic Optimum (~48-53 Ma) to an unambiguous magnetostratigraphic sequence. I will review the underlying magnetostratigraphic records that form the basis of discussions of chronostratigraphic framework of this very important period in Earth's history.