

Gauging Quaternary Sea Level Changes using various sea level indicators and GIA model

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Past sea level indicators play a key role in tracking the history of global climate. Variations in global sea level are controlled mainly by growth and decay of continental glaciers and temperatures that are closely correlated with the mean global climate state (glacial and interglacial cycles). Our understanding of global climate and sea level has benefited significantly from improvements in ocean floor sampling as well as from the application of new analytical techniques and isotope mass spectrometry. This presentation will overview of recent advances in paleo-sea level studies based on analysis of samples and data from deep-sea sediment cores and drowned coral reefs.

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