

Millennial-scale Sea Level Change
During Previous Interglacials

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Abstract

For the first time, it may be possible to develop high-resolution sea-level highstand records for previous interglacial periods. Until recently, open-system behavior of U-series nuclides in corals has severely hampered the ability to reconstruct abrupt sea-level change. However, a new approach to U-series dating, developed during my thesis research, promises to greatly increase the accuracy and availability of reliable ages. We request funds for U-series analysis of corals that were recently collected from Barbados, West Indies.