

*Radiocarbon dating a new record of the strength of the Walker circulation across the Pacific*

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**Abstract.**

A connection was recently established between the intensity of equatorial trade winds and the strength of the oxygen-minimum zone (OMZ) in the eastern tropical Pacific from variations in denitrification recorded by bulk organic  $^{15}\text{N}/^{14}\text{N}$  in three suboxic basins along the western margin of North America. This request for radiocarbon dating will extend the length of the available record of denitrification from 150 to ~2000 years in one of these basins.