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Radiocarbon marine reservoir effect. Regional offset for the Northwest coast of Cuba

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The regional offset correction ΔR of Marine Reservoir Effect (MRE), crucial for correcting ^{14}C ages calibration for marine influenced samples, was determined for Cuban Northwest coast. Fifteen different locations were studied by ^{14}C dating of pre-bomb known-age marine shells specimens of bivalves and gastropods from the Felipe Poey Museum collection. The distribution of results indicates ΔR values from -46 ± 38 to 140 ± 52 ^{14}C yr and a possible pattern related to the position along the coast and ocean dynamics. We present both mean values for each region and a general ΔR of 28 ± 13 ^{14}C yr for the northwestern coast of Cuba.

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