

Excerpt from: Magmatic $\delta^{18}O$ in 4400-3900 Ma detrital zircons: A record of the alteration and recycling of crust in the Early Archean
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1 Samples and analytical methods

Each zircon mount contained a 0.5 to 1.0 mm chip of oxygen isotope standard zircon KIM-5. The chips were obtained from a single cm-size kimberlite megacryst zircon from Kimberley, South Africa, with a $\delta^{18}O$ value of $5.09 \pm 0.06\text{‰}$ [7,18]. Fifteen age determinations by SHRIMP II were made on two chips of KIM-5 (Fig. 1a). The data were reduced with SQUID [19] and plotted using Isoplot/Ex [20]. The $^{206}\text{Pb}/^{238}\text{U}$ ages corrected for common Pb using both ^{204}Pb measured values (88 ± 11 Ma, 2σ) and ^{208}Pb -corrected values (92 ± 3 Ma, 2σ) are indistinguishable within error.