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500 000-year-old basal ice at Skytrain Ice Rise, West Antarctica, estimated with the ^{36}Cl / ^{10}Be ratio

Niklas Kappelt et al.

Correspondence to: Niklas Kappelt (niklas.kappelt@geol.lu.se)

Figure S1 visualises the uncertainty of age estimates, which results from the measurement uncertainty of the δ^{18}O detrended ^{36}Cl/^{10}Be ratio (shown as vertical error bars) and the uncertainty of the present-day value, represented by the shaded area around the decay curve.

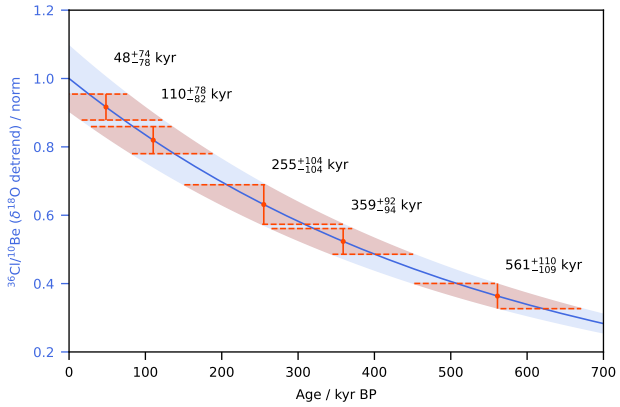

Figure S1: Age estimates for five deep samples of the Skytrain ice core based on the δ^{18}O detrended ^{36}Cl/^{10}Be ratio.

Figure S2 shows the δ^{18}O detrended and decay corrected ^{36}Cl concentration with a standard deviation of 17 % of the mean. The resulting age estimates for deeper samples lack the production rate correction provided by ^{10}Be concentrations and have larger uncertainties than estimates with the ^{36}Cl/^{10}Be ratio, but suggest older ages for four out of five samples.

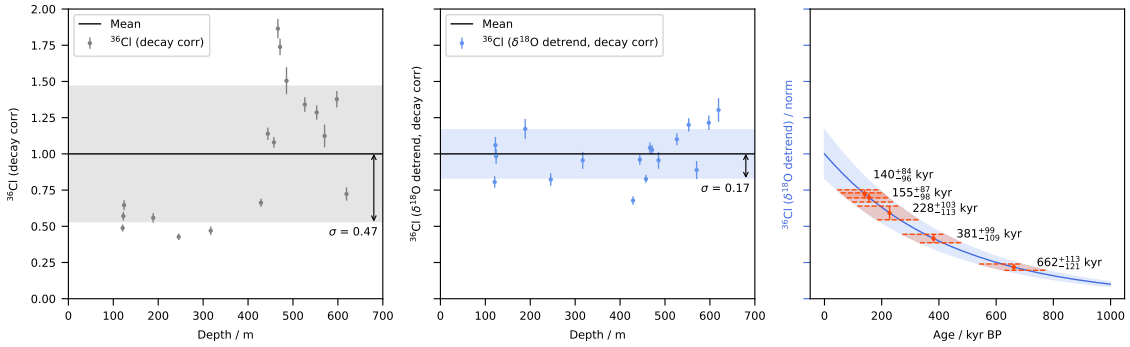

Figure S2: Age estimates for five deep samples of the Skytrain ice core based on the δ^{18}O detrended ^{36}Cl concentration.