1st page ratios from the measurements, time interpolation matlab. Linear fit trend intensities. Use the trend value for the ratios. 2sigma filtering deadtime correction for multiplier. 4 points in time interpolation.

2nd page known concentration values

3rd pahge standard ratios

Blue is data

Green background correction

xSiO2 of the sample

SiO2 corrected.

Really small beam, surface effects.

Matlab code bootstrap the regression on the calibration, weights on low vs high error

Regression data page

Sample data pages

Recalculate the SiO2 of the samples. Now that I have SiO2. In the background correction.

In the uncorrected sample

Water correction by difference in the 519 glass top in sample data page.

Not use the suprasil because of matrix effect. Background correction not perfect

Can check with my replicates.

Take the slopes on the regressions

Input final values

Multiply by slpes.

12C would not be flat curve if on a crack or weird that’s a bad sign.