

S1. Cathodoluminescence, BSE images and representative mounts of the standards used in "Predicting instrumental mass fractionation (IMF) of stable isotope SIMS analyses by response surface methodology (RSM)" by Fàbrega et al.

NOTES:

Image width of cathodoluminescence pictures represents about 2-4mm.

BSE pictures include scale.

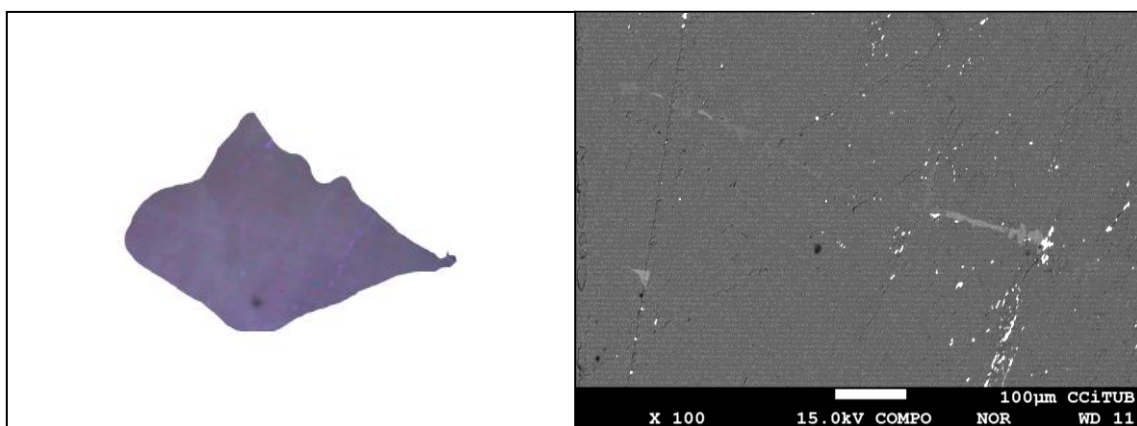
Bright points of BSE images are residuals of the mount gold coating applied for SIMS.

1.Plagioclase standards:

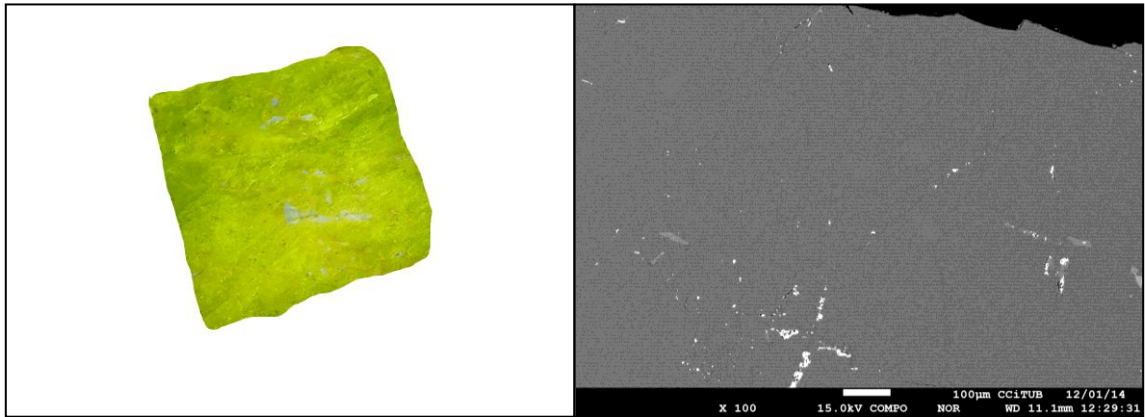
Gstd0001, albite:



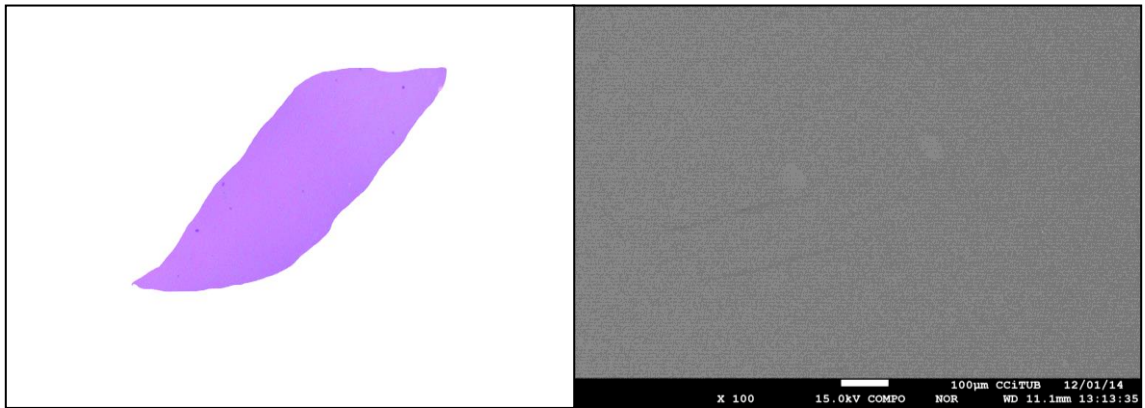
Gstd0002, albite:



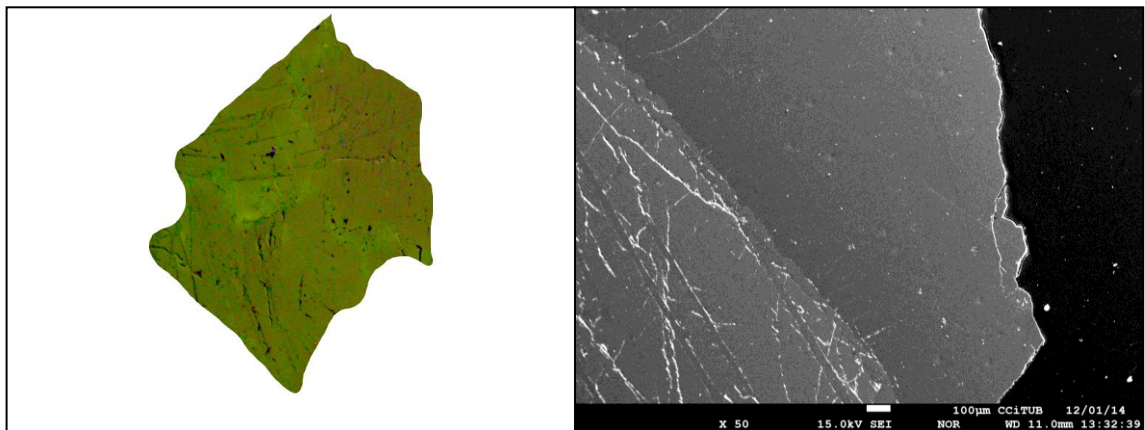
Gstd0003, oligoclase:



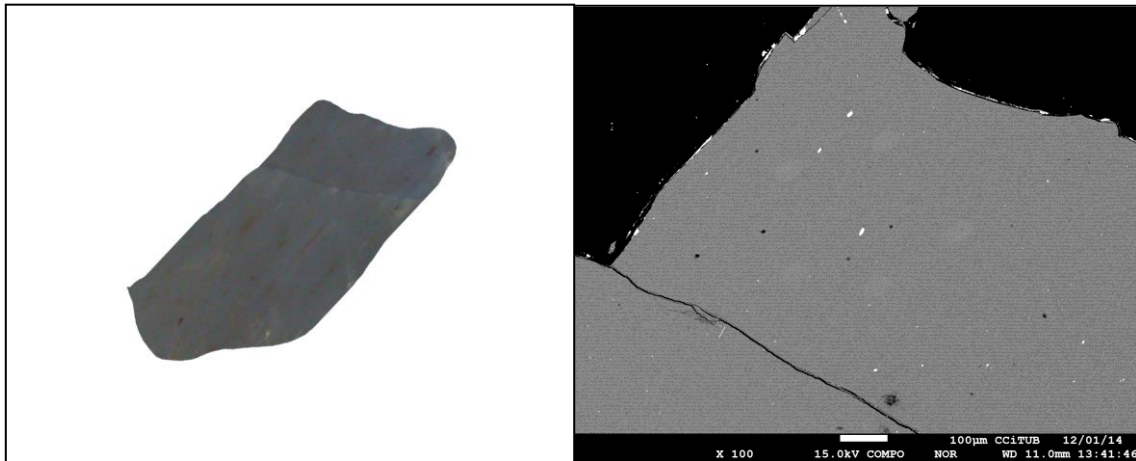
Gstd0004, andesine-labradorite:



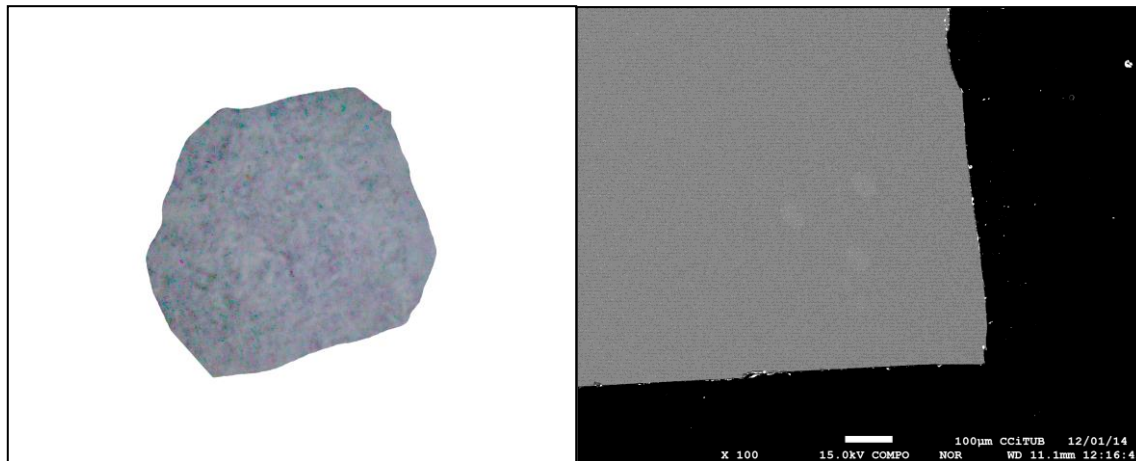
Gstd0005, labradorite:



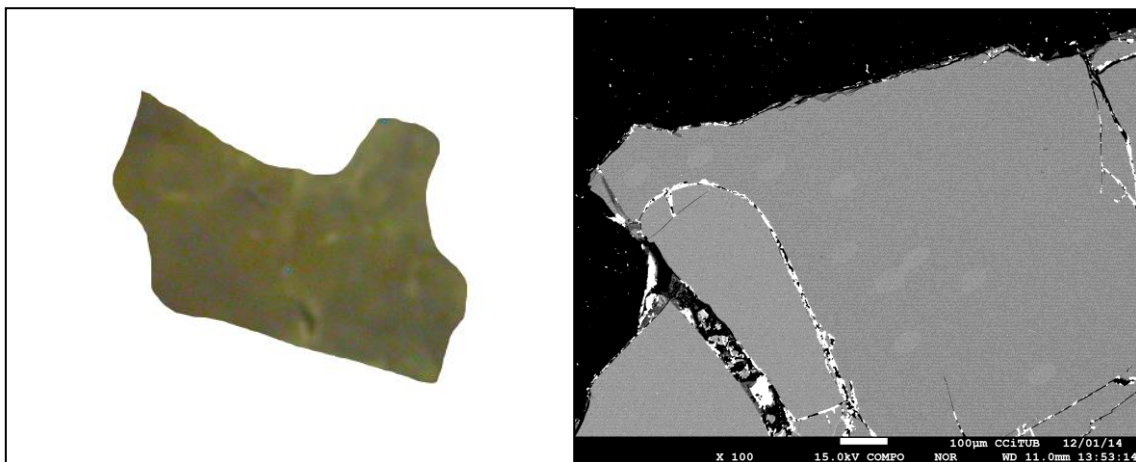
Gstd0006, labradorite:



Gstd0008, bytownite:

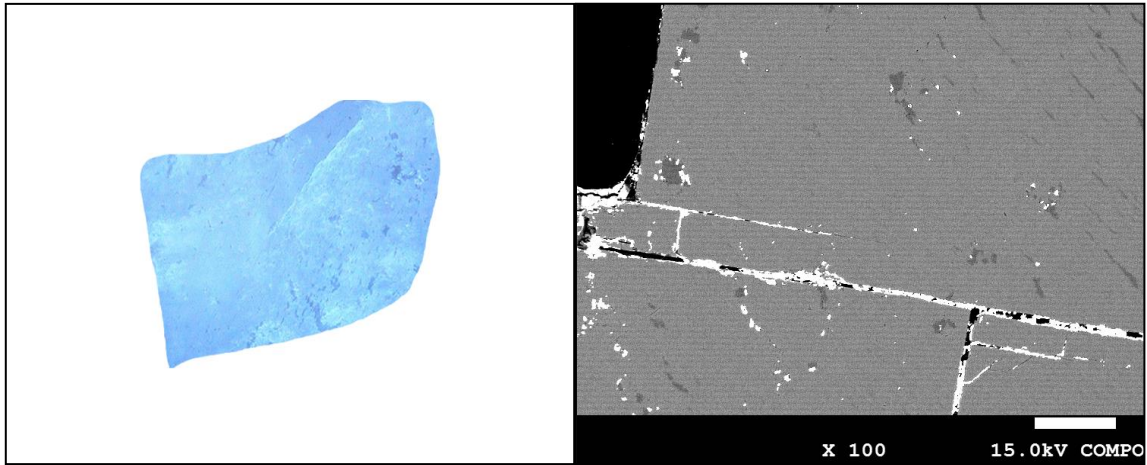


Gstd0009, anorthite:

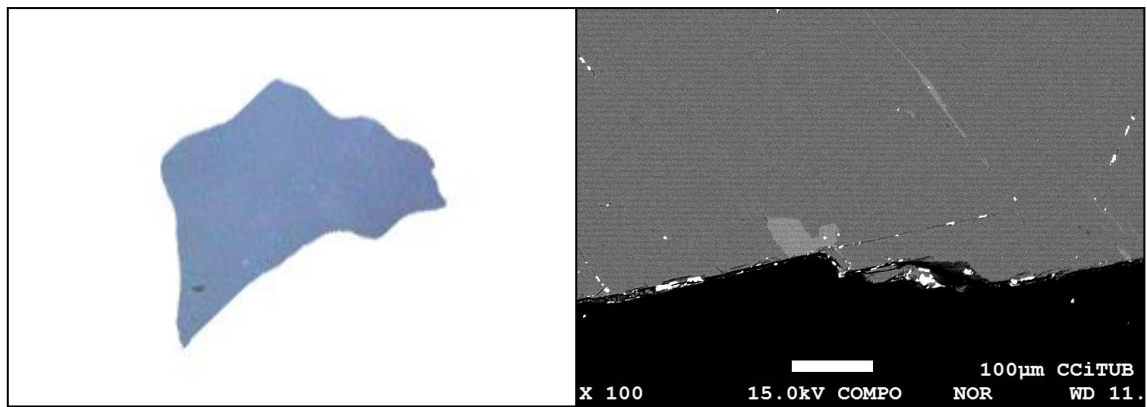


2.K-feldspar standards:

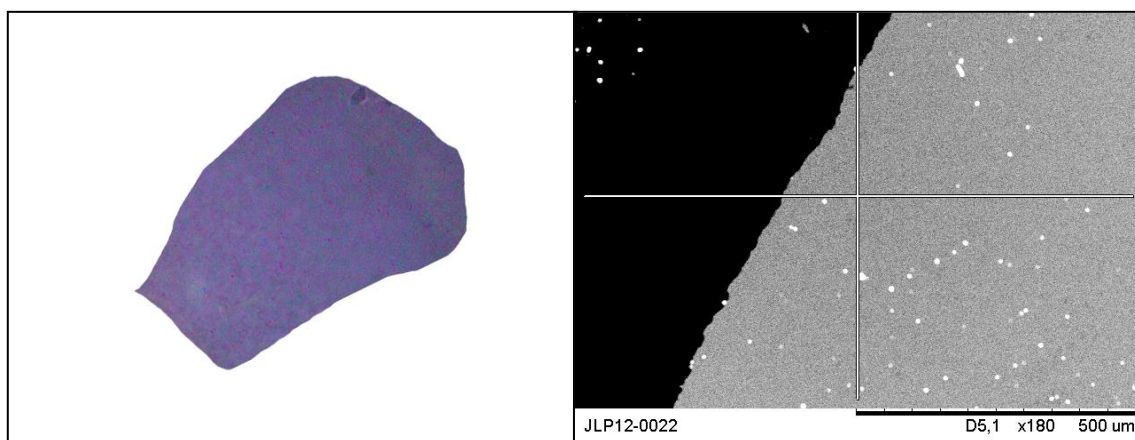
Gstd0010, orthoclase:



Gstd0011, microcline:



3.Quartz standard, Gstd0012:



4. Representative mounts:

Diameter: 25mm.

Thickness: 5mm.

Pattern_1:



Pattern_2:



Pattern_3:

