

Supplemental material

Figure S1 shows U(I) 682.59 nm and 753.39 nm, Zr(I) 676.24 nm and 813.30 nm, and Fe(I) 544.69 nm and 868.86 nm lines within a 1.5 nm wavelength window. All spectra were baseline corrected and average over 100 laser shots in twenty different and fresh surfaces. These spectral behaviors support the observed calibration trends and relative standard deviation (RSD) analysis discussed in the main text.

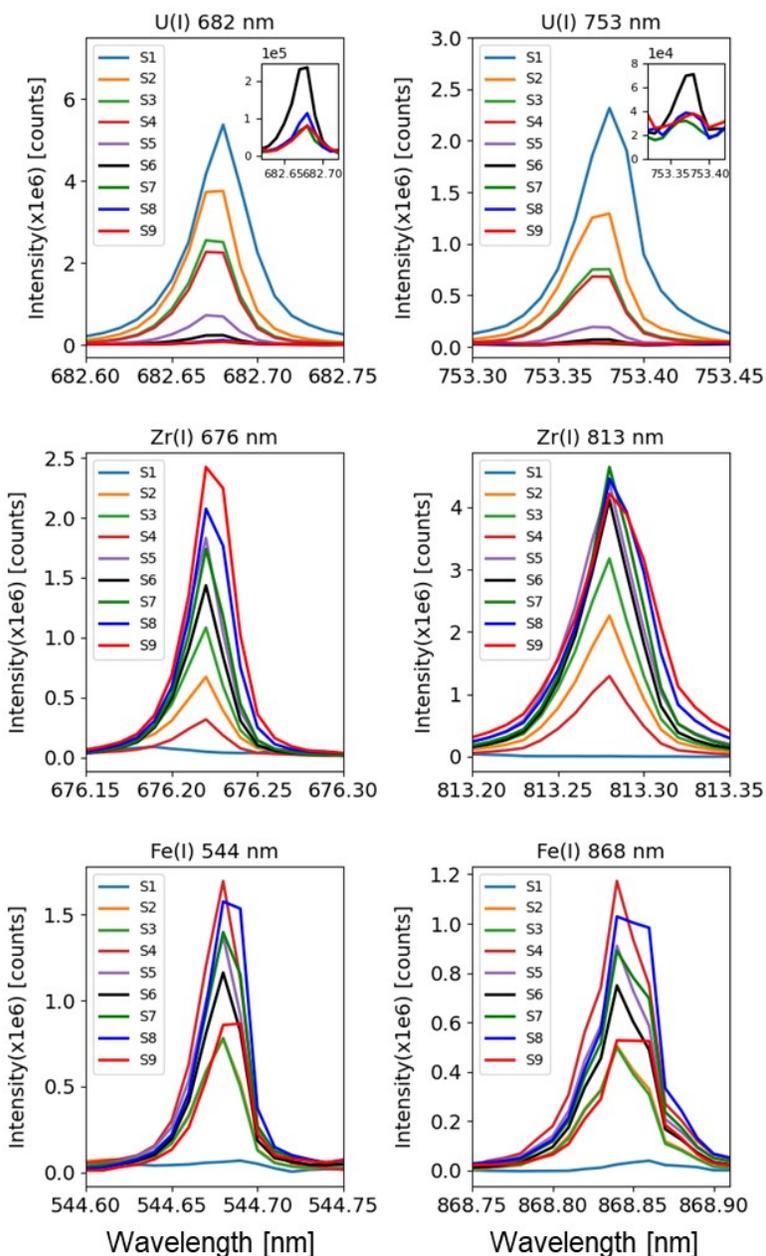


Figure S1. Representative LISB spectra of selected emission lines for U, Zr, and Fe measured in mixed-oxide samples (S1-S9).