

Supplementary Figures for:

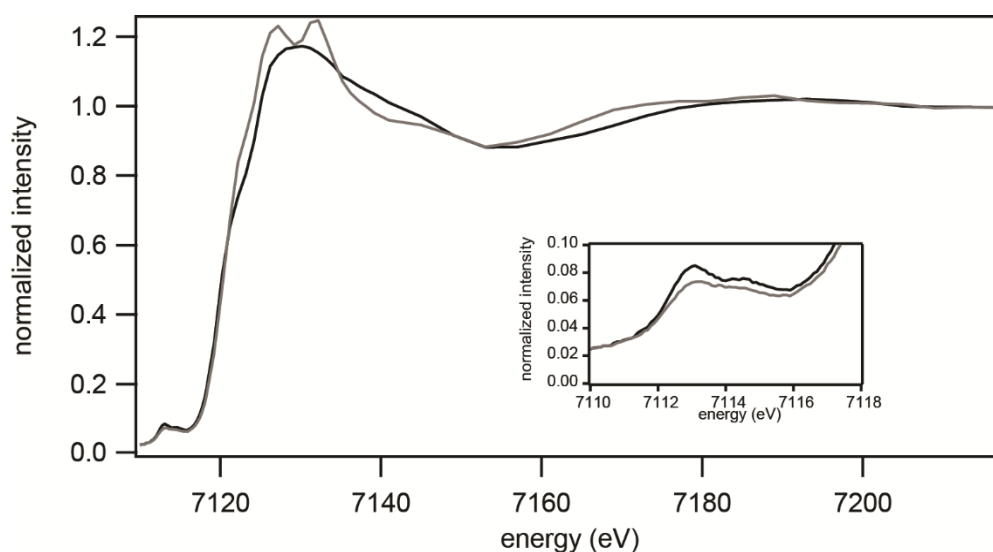
Experimental investigation of basalt and peridotite oxybarometers with implications for thermodynamic models

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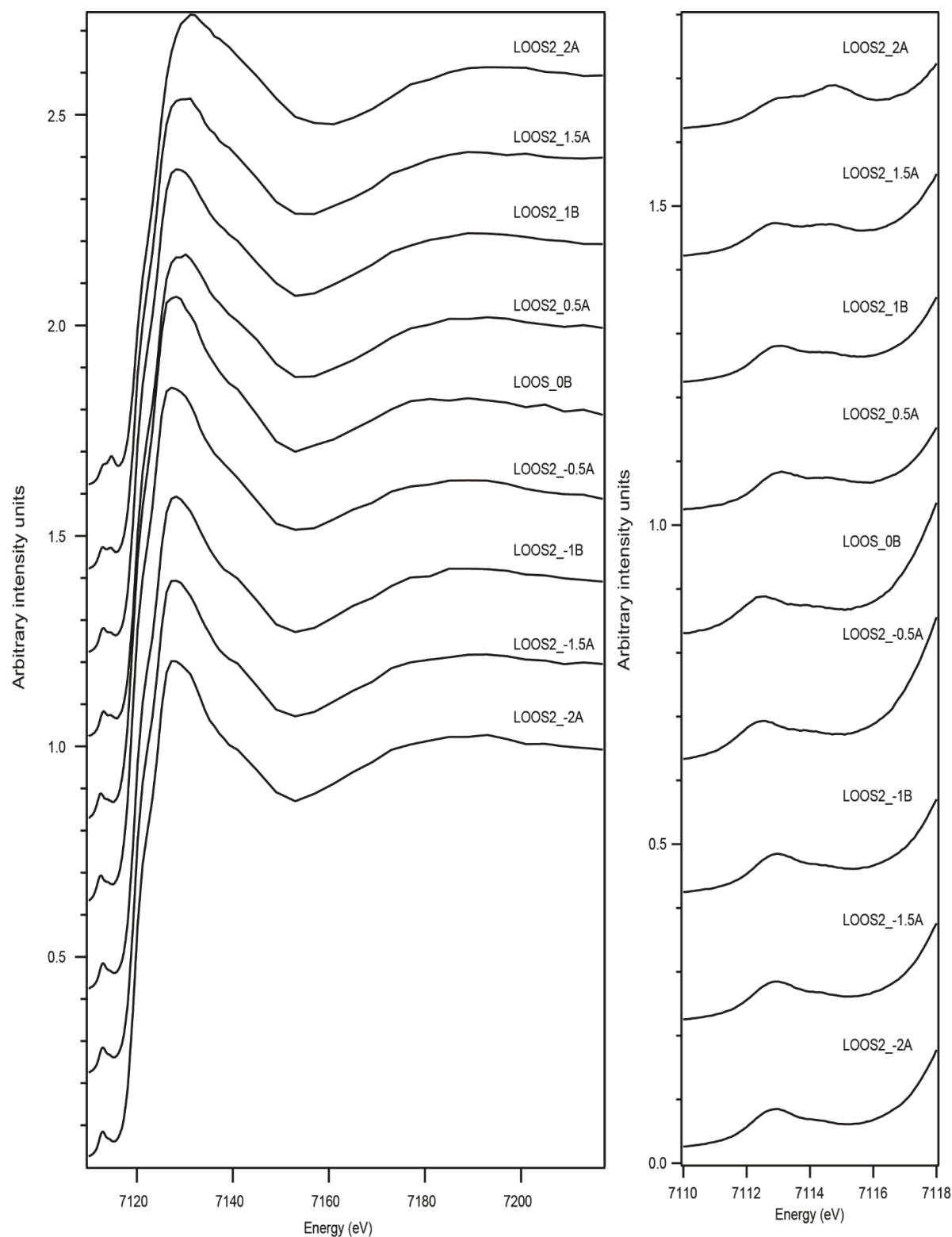
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Supplementary Figure S1. Comparison between spectra with and without crystal interference. Both spectra were collected from the glass of sample LOOS2_0.5A. The spectrum in black shows a crystal-free spectrum. The spectrum in gray shows interference by crystallites, likely Cr-rich spinel. Inset shows the pre-edge region, demonstrating that crystal interference changes the relative intensities of the pre-edge peaks. Spectral intensities are normalized to the average intensity of the five highest energy steps collected.



Supplementary Figure S2. Averaged spectra and pre-edge regions for all experiments. All spectral intensities were normalized to the average intensity of the five highest energy steps collected before stacking at an arbitrary interval of 0.2 intensity units. We collected spectra over an energy range of 7020-7217 eV, but we truncated the spectra in this figure at 7110 eV to highlight the near-edge features.