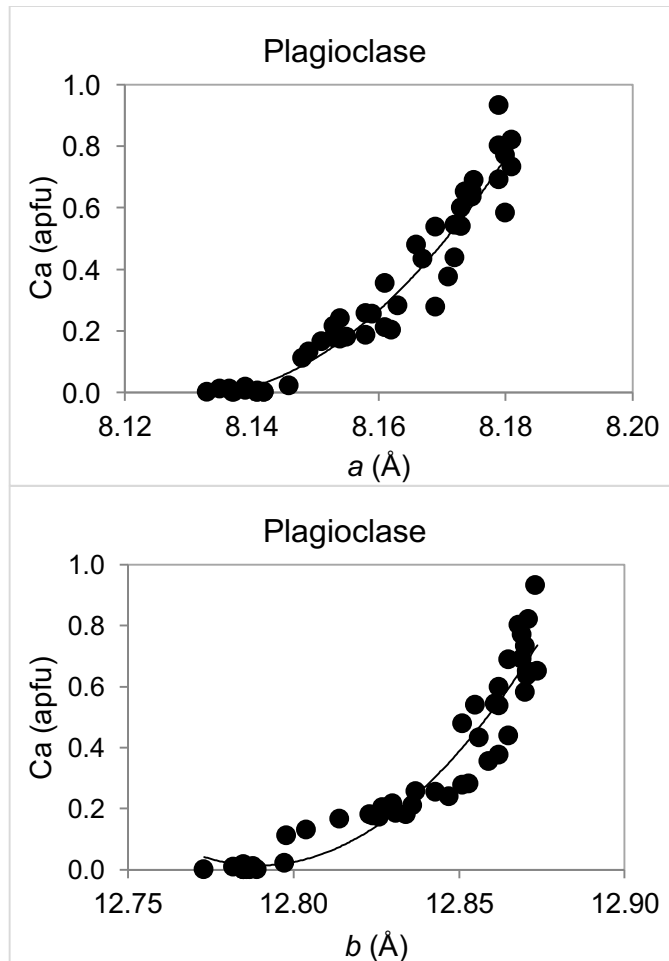
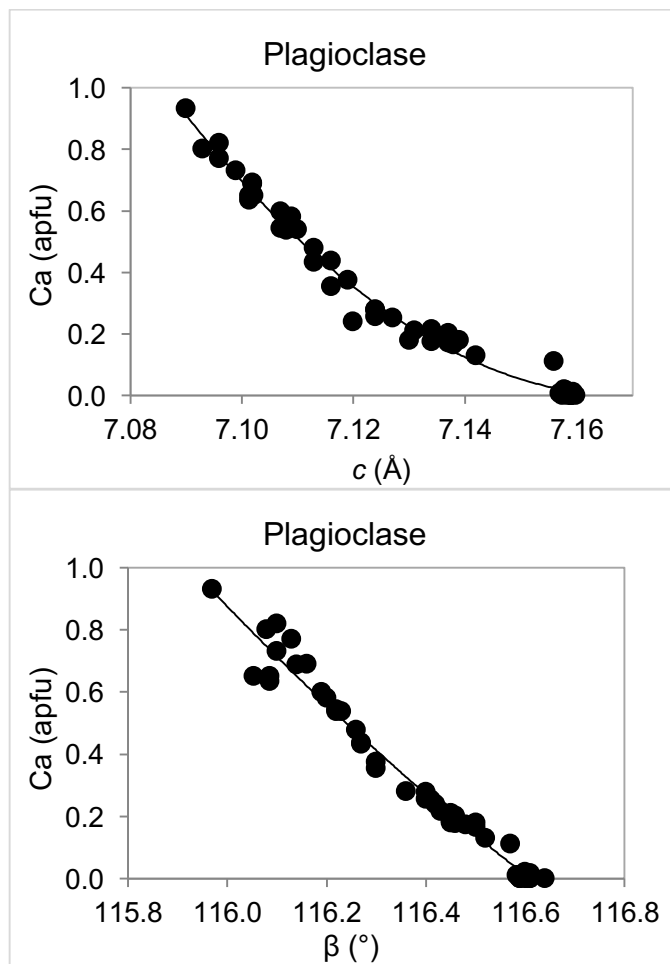
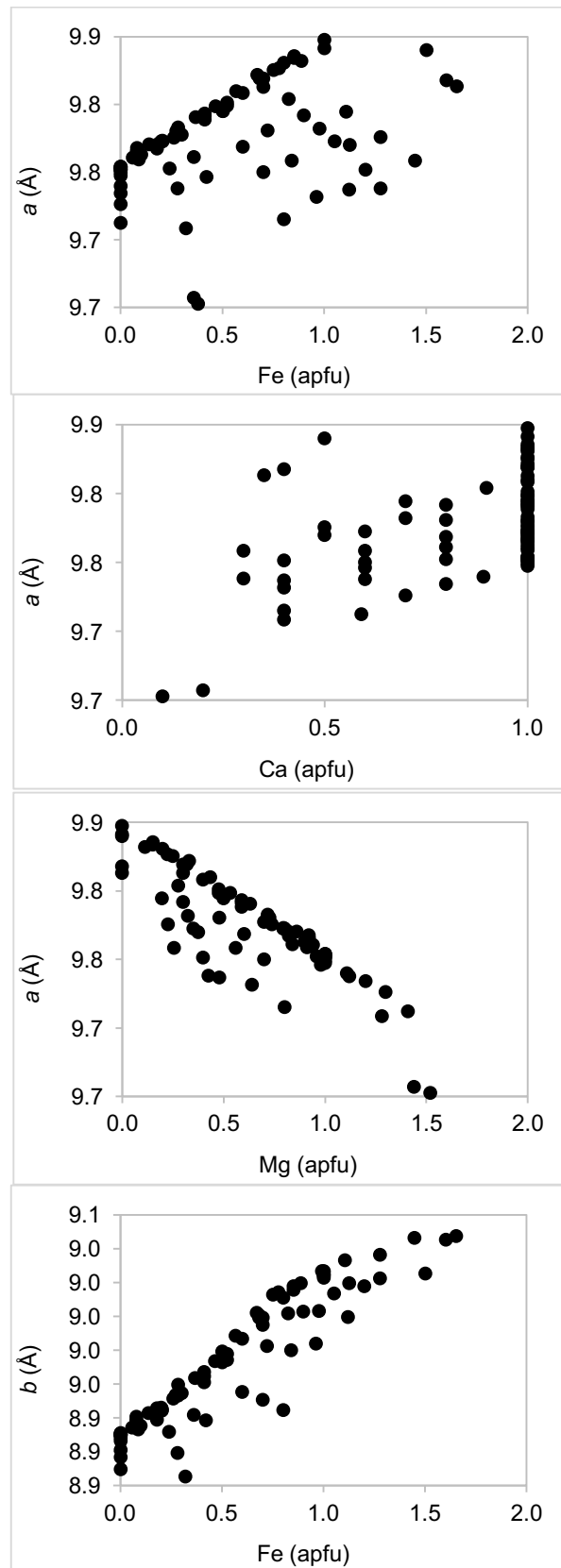


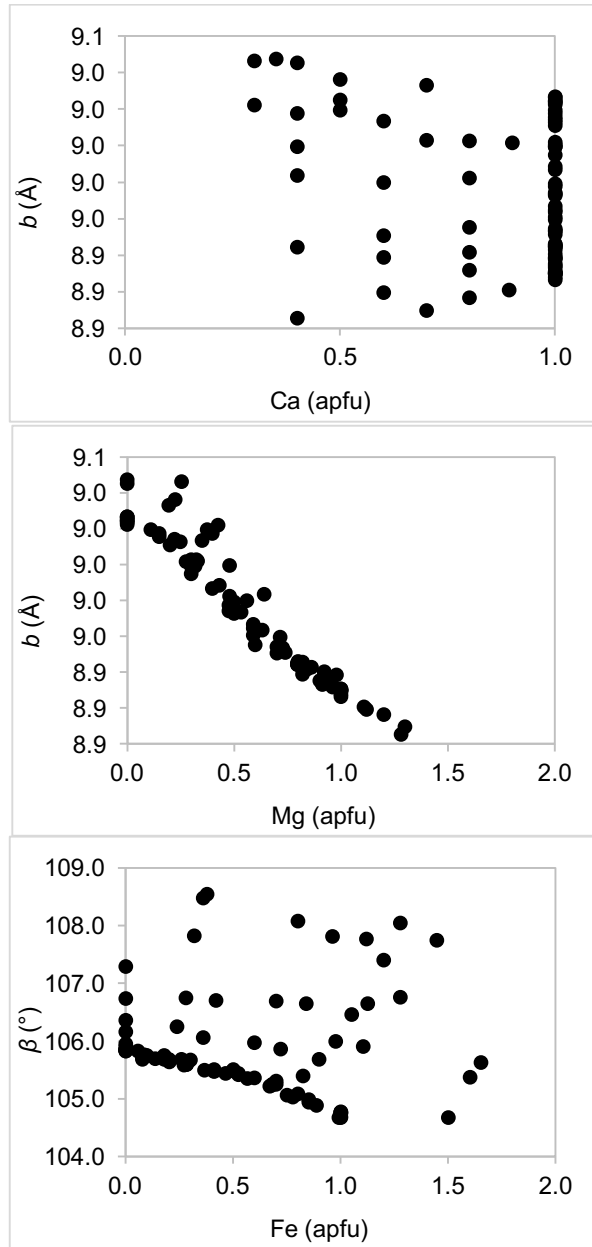
Appendix 3 - plots of unit-cell parameters versus composition

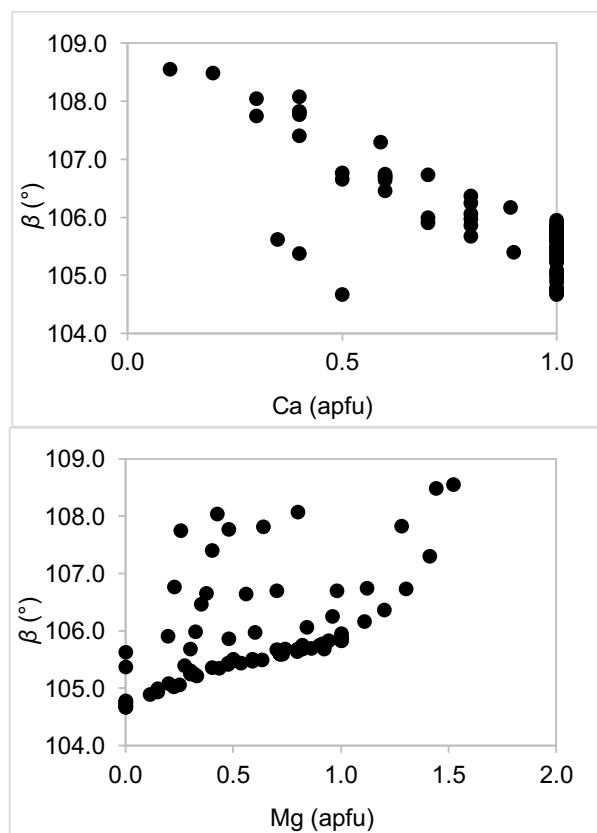




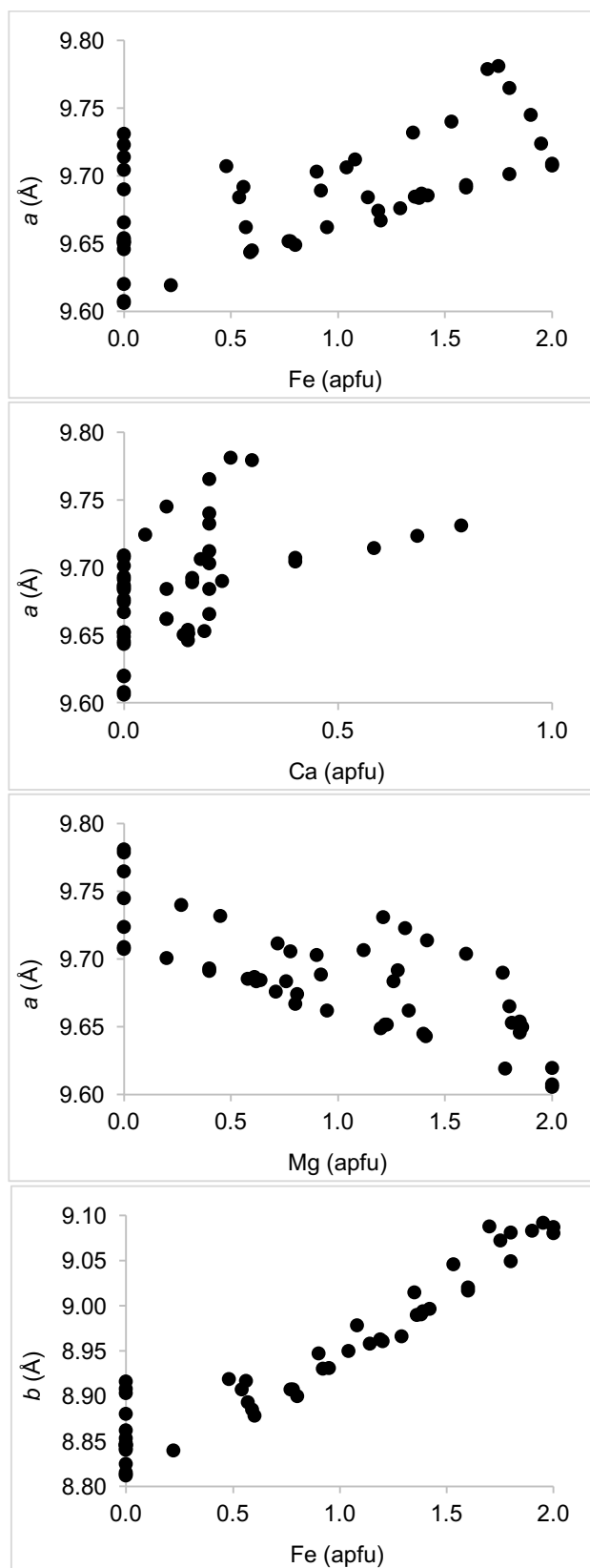
Figures A3a-d. Ca-content of plagioclase as a function of unit-cell parameters. Dataset from literature and RRUFF Project data (Table A1a).

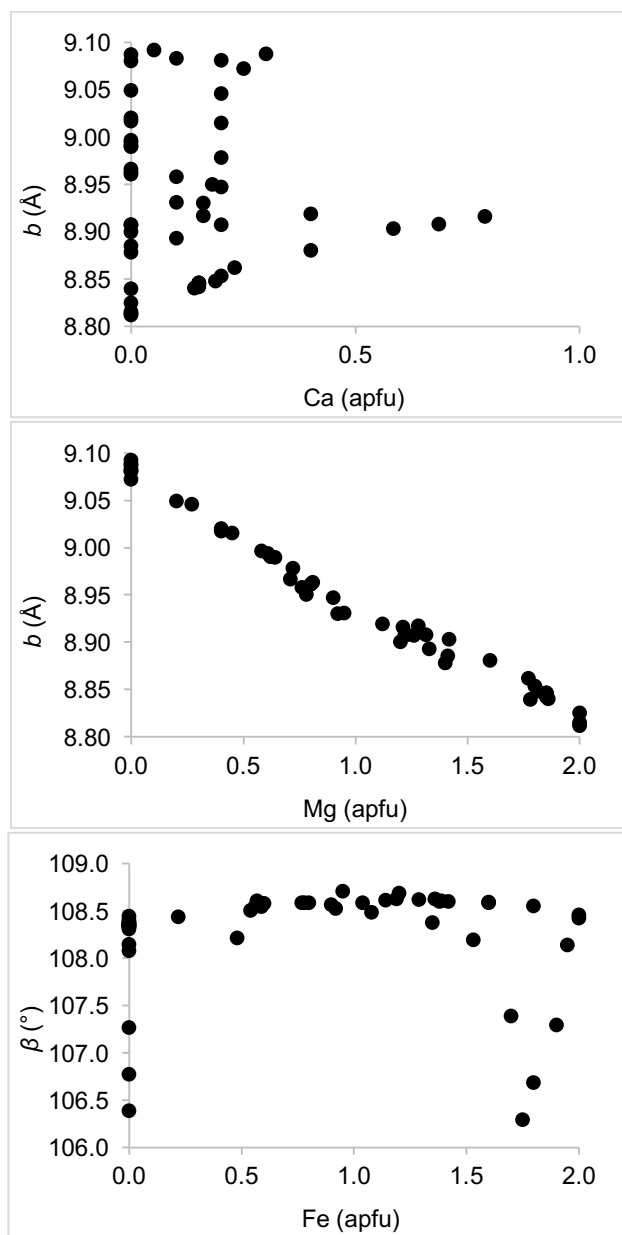


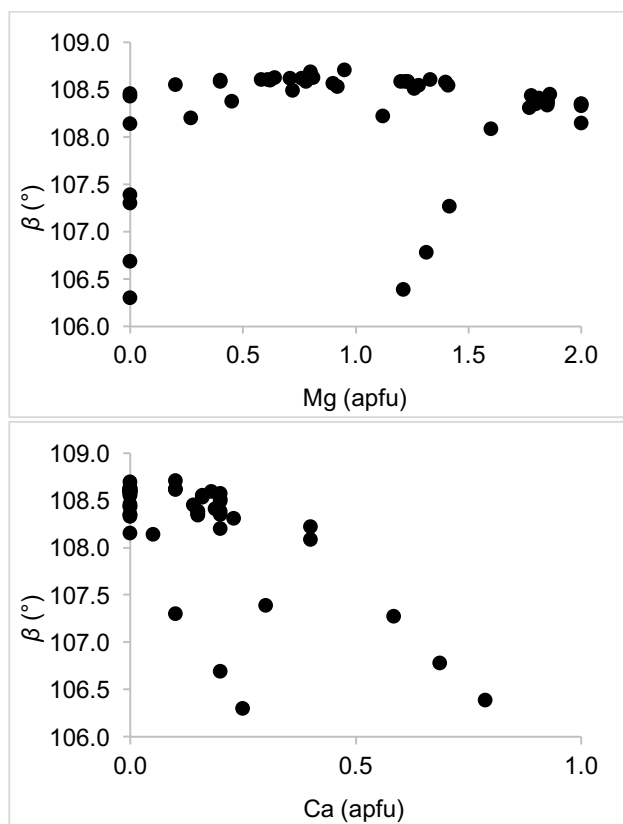




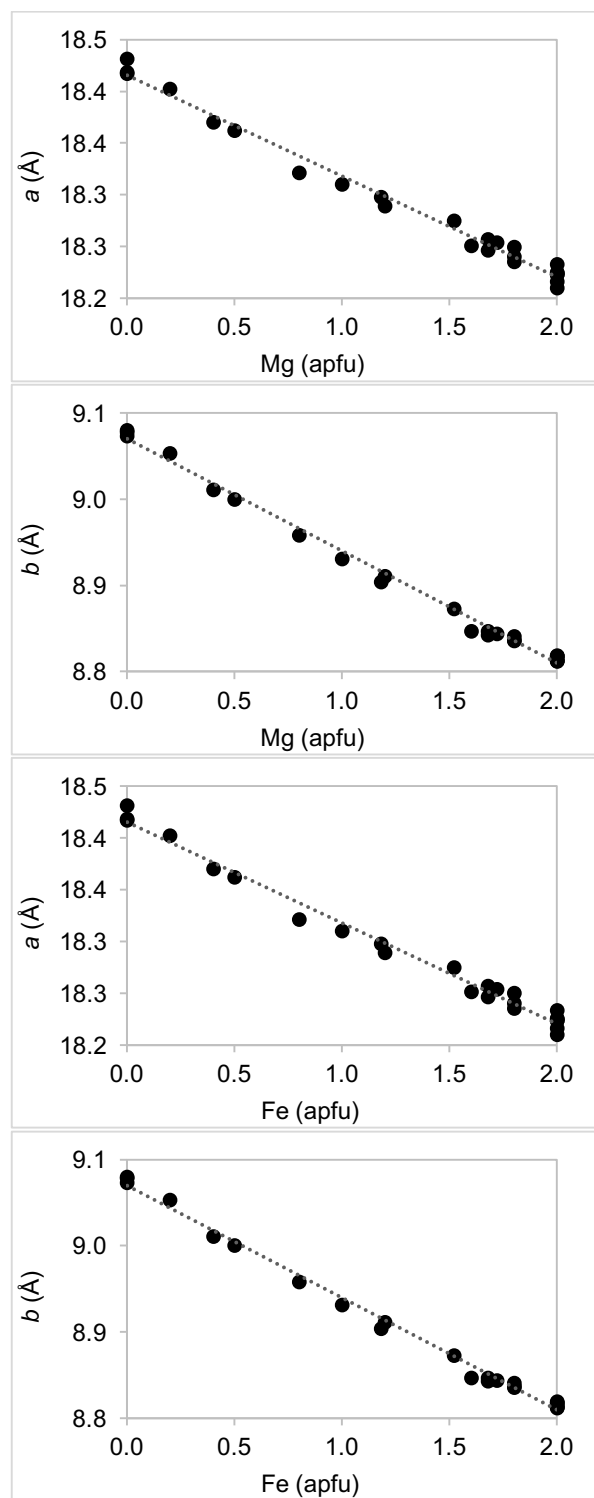
Figures A3e-m. Fe, Ca, and Mg-content of augite as a function of a , b , and β , respectively. Dataset from literature and RRUFF Project data (Table A1c).



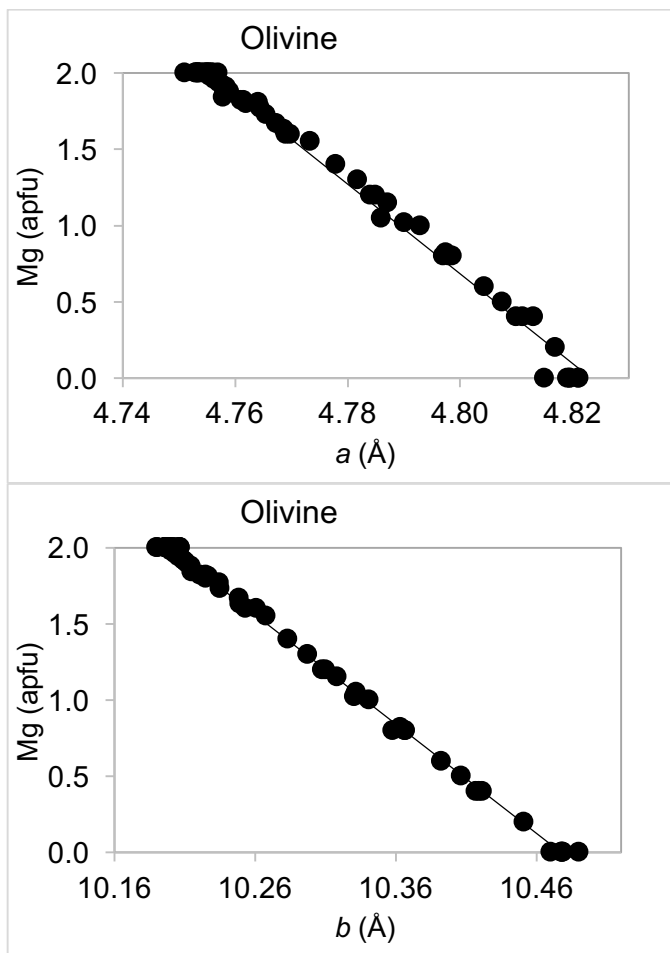


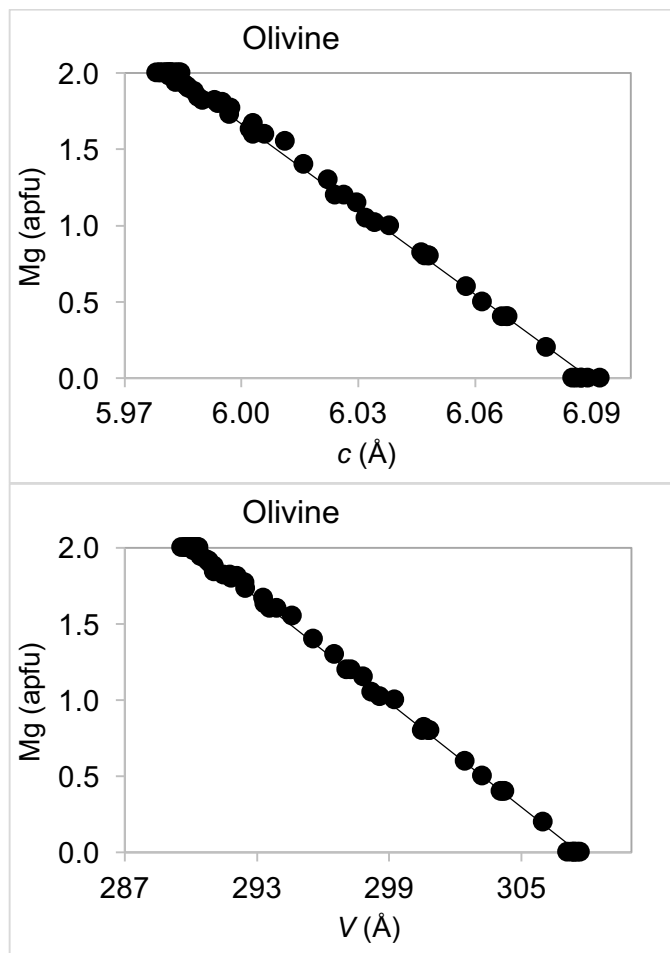


Figures A3n-v. Fe, Ca, and Mg-content of pigeonite as a function of a , b , and β , respectively. Dataset from literature and RRUFF Project data (Table A1b).



Figures A3w-z. Mg- and Fe-content of orthopyroxene as a function of a and b unit-cell parameters. Dataset from literature and RRUFF Project data (Table A1d).





Figures A3ac-ad. Mg-content of Fa-Fo olivine as a function of *a*, *b*, *c* cell edges and unit-cell volume, *V*. Dataset from literature and RRUFF Project data (Table A1e).