

FIGURE A1. Residual Spectra (measured – best fit modeled spectra in reflectance) for the Plagioclase + Oliv1Fo91 series. The measured spectra were prepared in the laboratory with a particle size range of 45-75 μm. The modeled spectra were calculated using the inverse Hapke model with best fit proportions constrained to be positive and normalized to one.

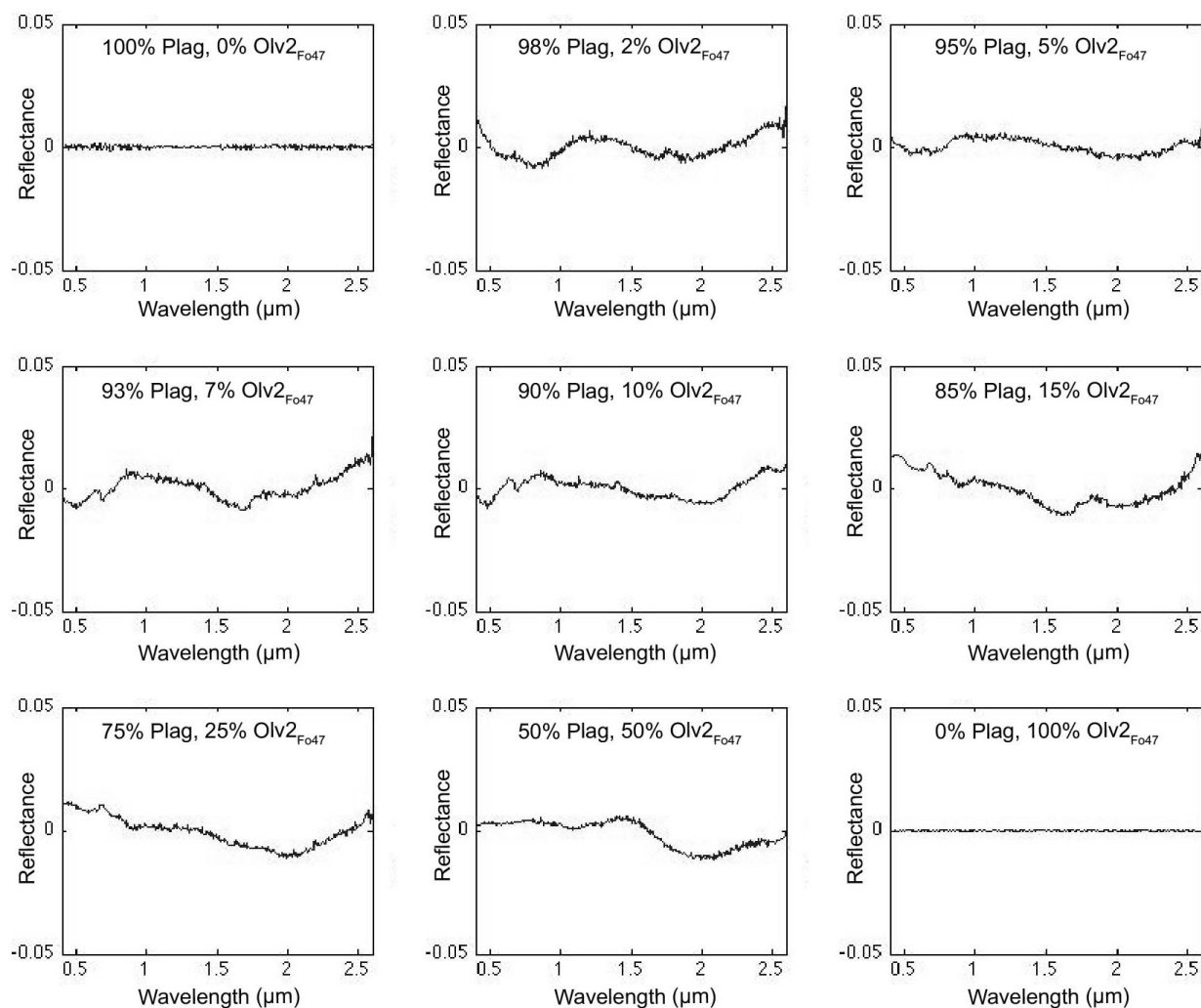


FIGURE A2. Residual Spectra (measured – best fit modeled spectra in reflectance) for the Plagioclase + Oliv2Fo47 series. The measured spectra were prepared in the laboratory with a particle size range of 45–75 μm. The modeled spectra were calculated using the inverse Hapke model with best fit proportions constrained to be positive and normalized to one.

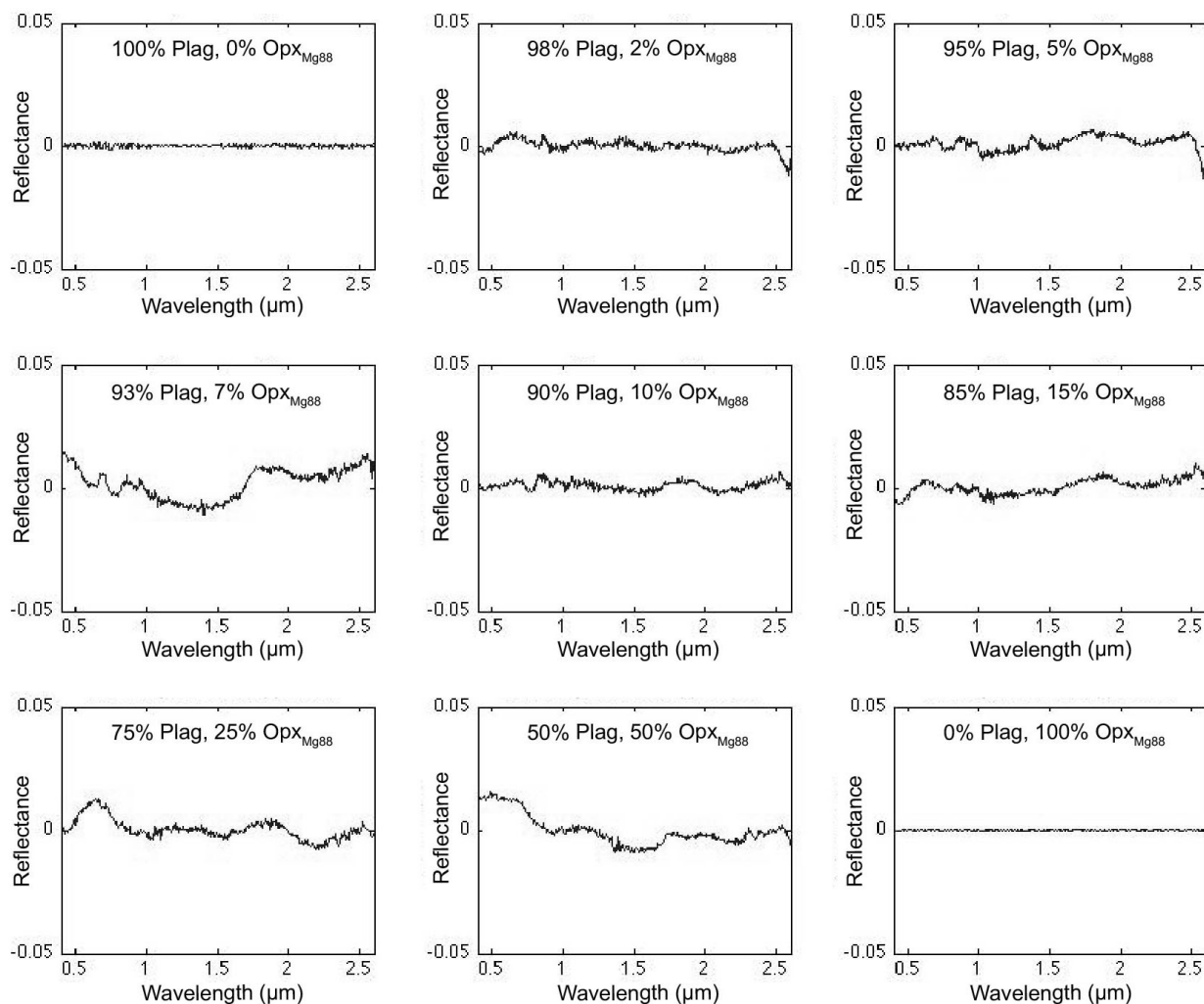


FIGURE A3. Residual Spectra (measured – best fit modeled spectra in reflectance) for the Plagioclase + OpxMg88 series. The measured spectra were prepared in the laboratory with a particle size range of 45-75 μm . The modeled spectra were calculated using the inverse Hapke model with best fit proportions constrained to be positive and normalized to one.

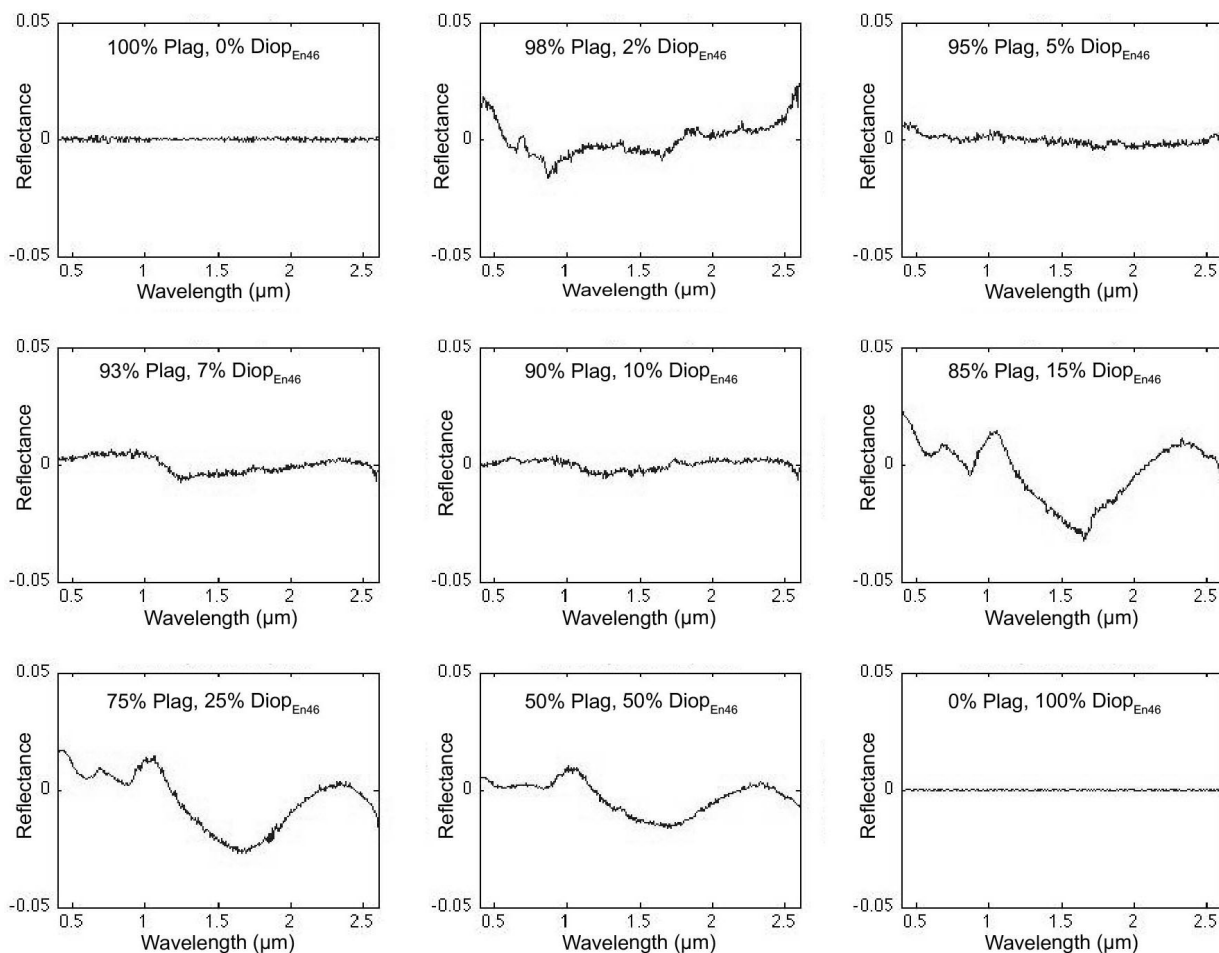


FIGURE A4. Residual Spectra (measured – best fit modeled spectra in reflectance) for the Plagioclase + DiopEn46 series. The measured spectra were prepared in the laboratory with a particle size range of 45–75 μm . The modeled spectra were calculated using the inverse Hapke model with best fit proportions constrained to be positive and normalized to one.

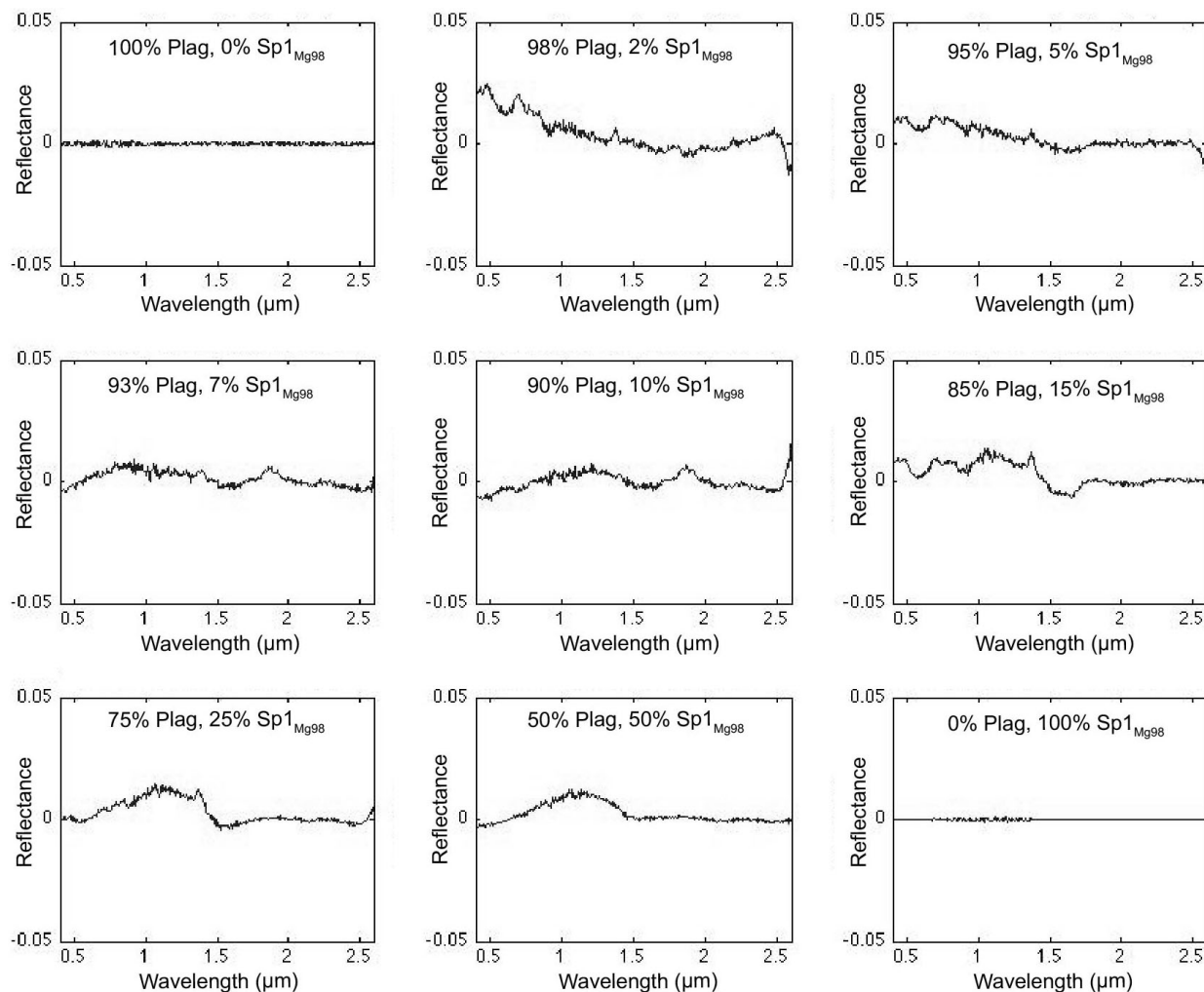


FIGURE A5. Residual Spectra (measured – best fit modeled spectra in reflectance) for the Plagioclase + Sp1Mg98 series. The measured spectra were prepared in the laboratory with a particle size range of 45-75 μm. The modeled spectra were calculated using the inverse Hapke model with best fit proportions constrained to be positive and normalized to one.

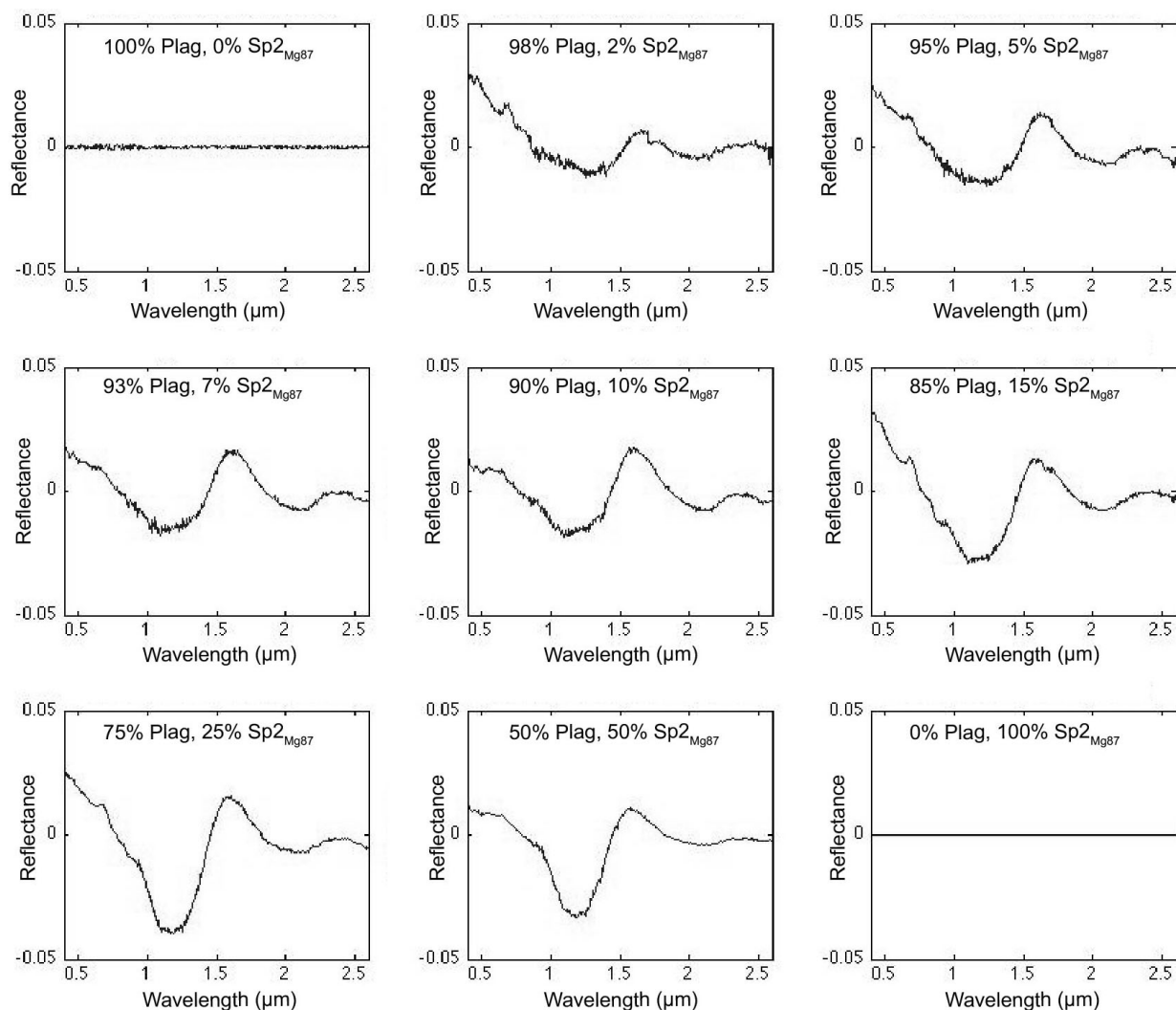


FIGURE A6. Residual Spectra (measured – best fit modeled spectra in reflectance) for the Plagioclase + Sp₂Mg₈₇ series. The measured spectra were prepared in the laboratory with a particle size range of 45-75 μm . The modeled spectra were calculated using the inverse Hapke model with best fit proportions constrained to be positive and normalized to one.