



FIGURE A4: ATR FTIR spectra of SULm glasses synthesized at 3 kbar with decreasing H₂O content from top to bottom (6.29 wt% to 0.65 wt%). Whilst the shape of the lattice vibration band at roughly 930 cm⁻¹ is unchanged by the presence of water, the peak position is shifting towards higher wavenumbers with increasing H₂O content.