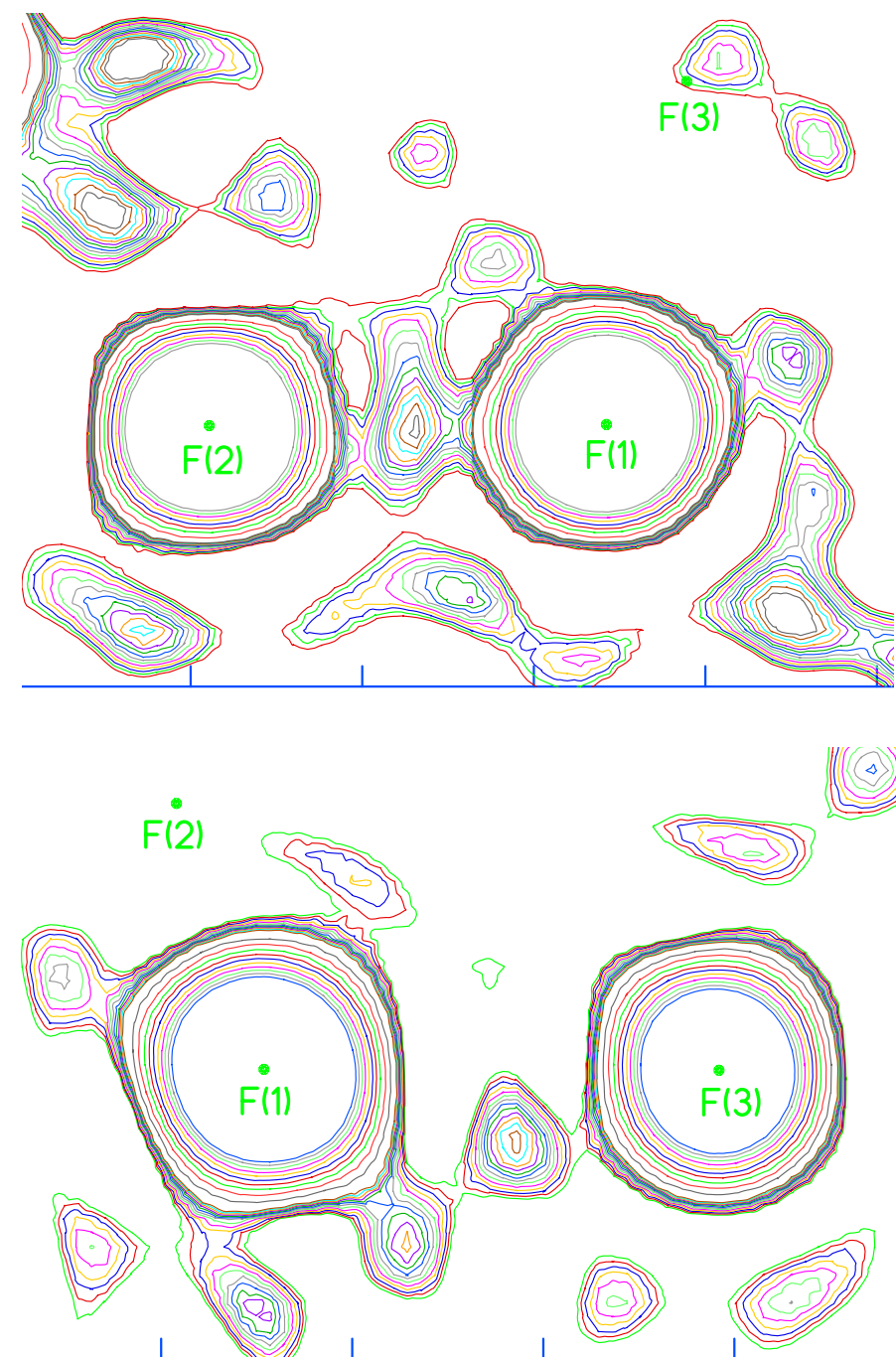
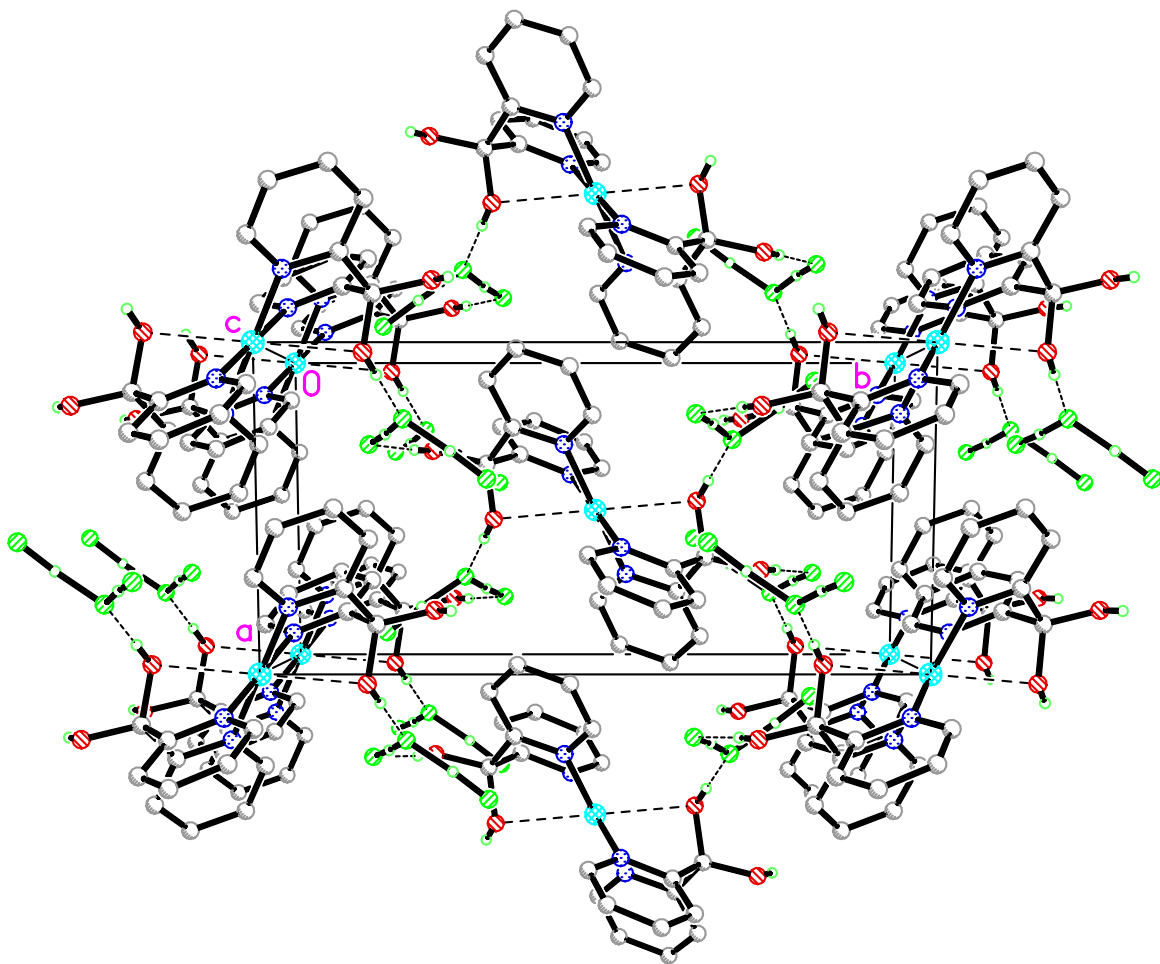


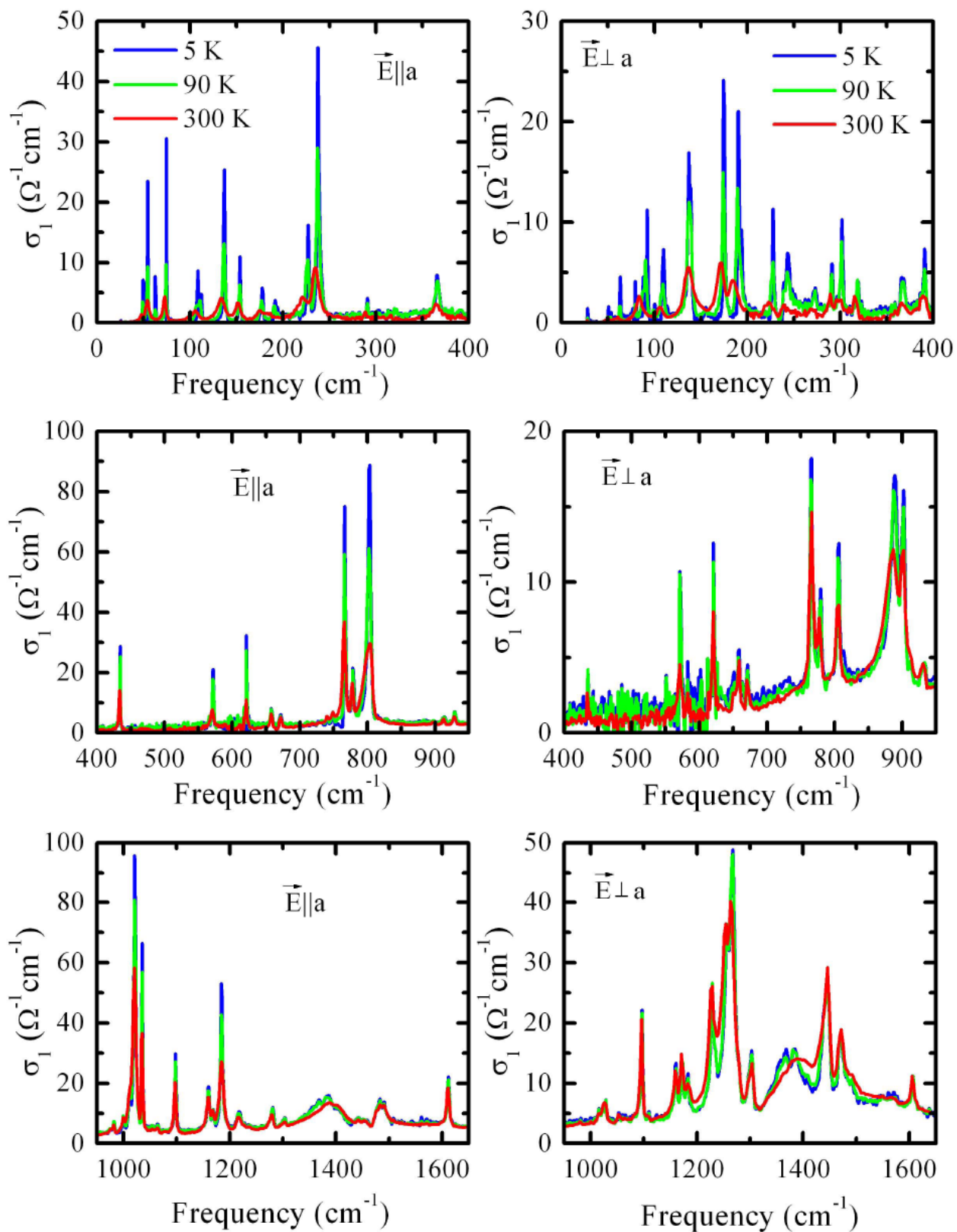
Supplementary information:



Residual electron density maps for (top) the $\text{F}(1)\cdots\text{F}(2)$ and (bottom) $\text{F}(1)\cdots\text{F}(3)$ segments of the H_2F_3^- anion in $[\text{Cu}(\text{dpd})_2][\text{H}_2\text{F}_3]_2$. Hash marks on the horizontal axis are 1-Å increments.



Crystal packing diagram for [Cu(dpdp)₂][H₂F₃]₂ viewed along the crystallographic *c*-axis.



Temperature-dependent and polarized infrared spectra for $[\text{Cu}(\text{dpd})_2][\text{H}_2\text{F}_3]_2$.

