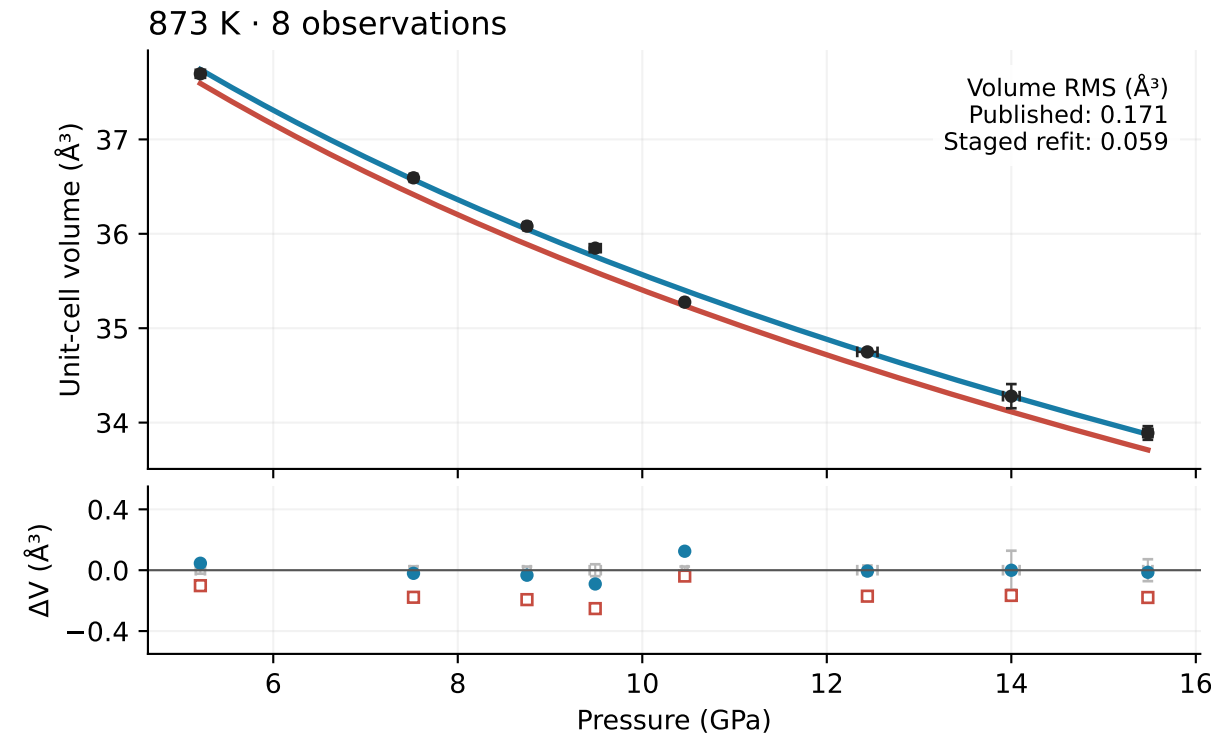
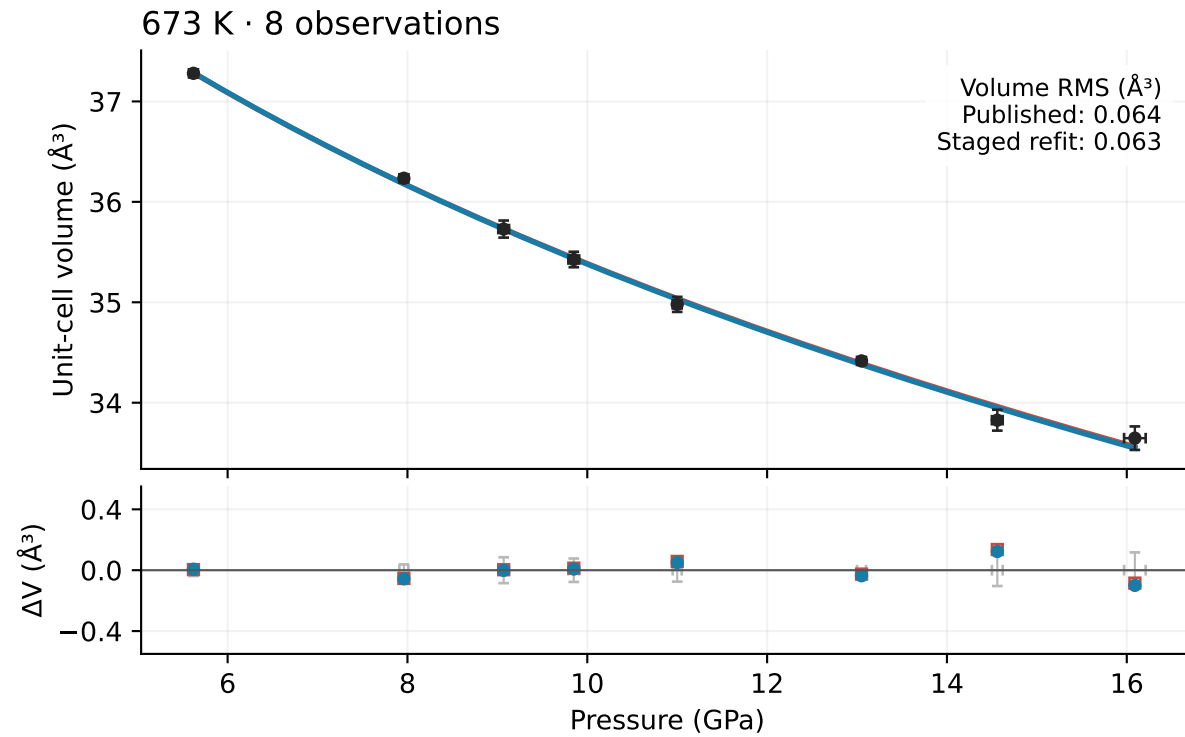
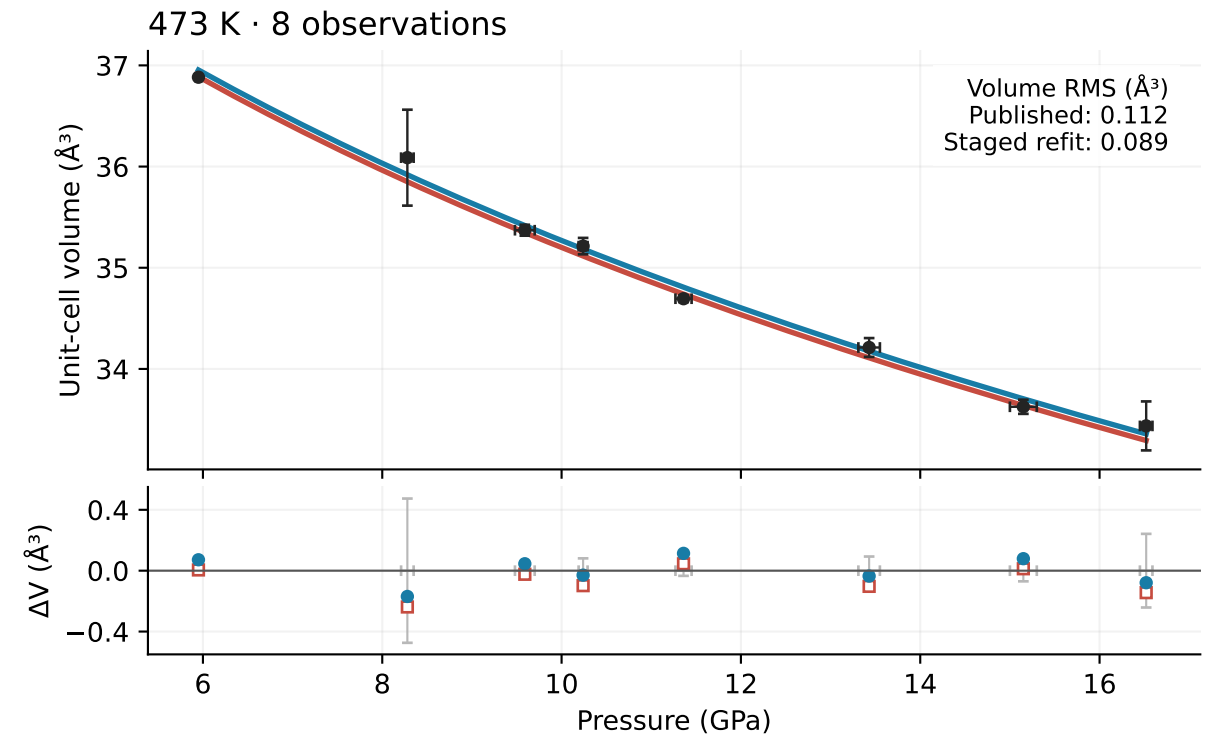
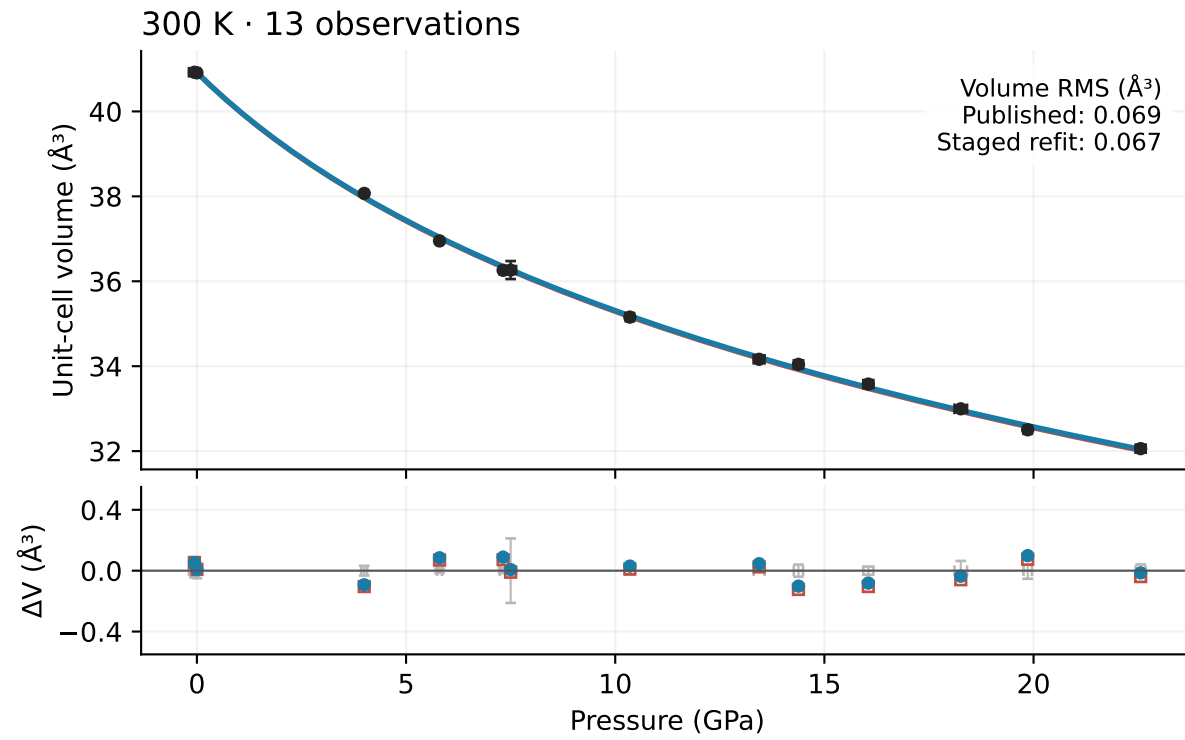


Brucite: staged isotherm refits versus the published EOS

- Published Table 4 observations + reported errors
- Published expansion law + tabulated isotherm moduli
- Staged refit: fitted ambient law fixed; K_0 and K' fitted per isotherm



Stage 1: unweighted fit to 11 ambient volumes gives $V_{300} = 40.916585 \text{ \AA}^3$ and constant $\alpha = 6.6918518\text{e-}05 \text{ K}^{-1}$.
 Stage 2: hold $V_0(T)$ fixed; independently fit K_0 and K' using unweighted pressure residuals to all 13/8/8/8 Table 4 rows.
 ΔV = calculated – observed volume at observed pressure. Grey bars show reported V/P errors about zero; model uncertainty is not shown.
 Four independent isotherms, not a continuous EOS. Original author objective and weights are unreported; published coefficients are preserved.