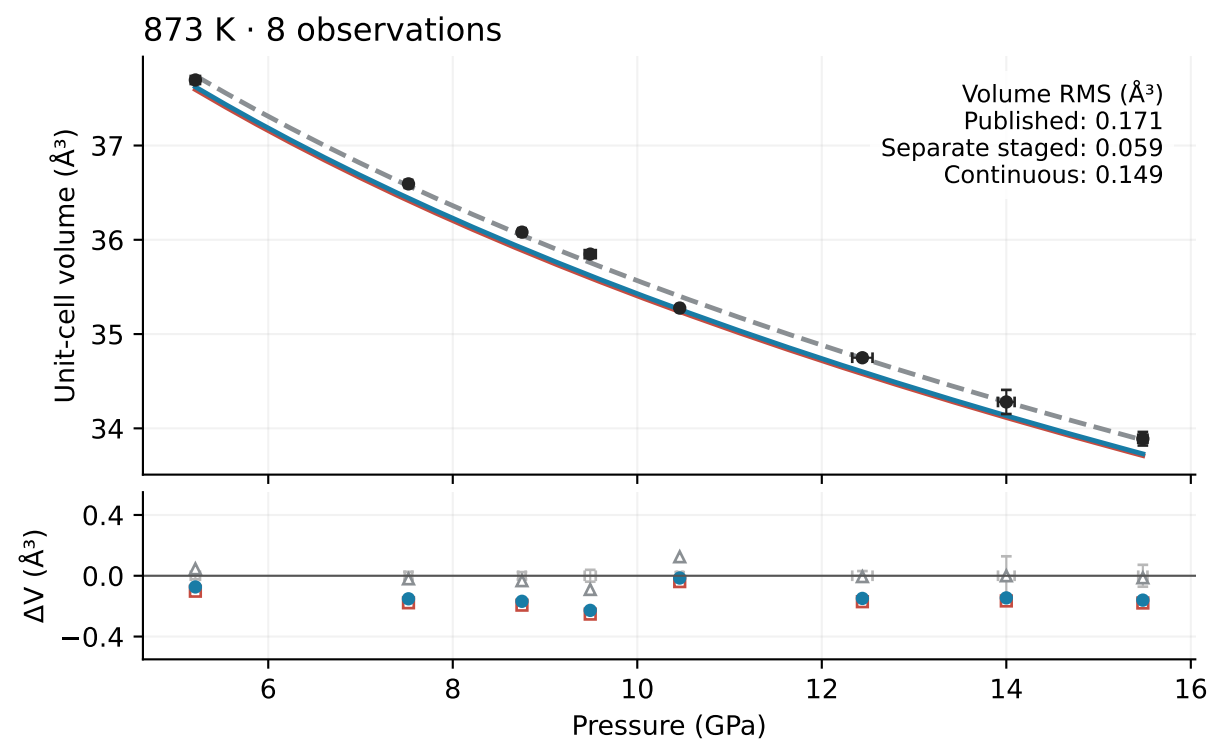
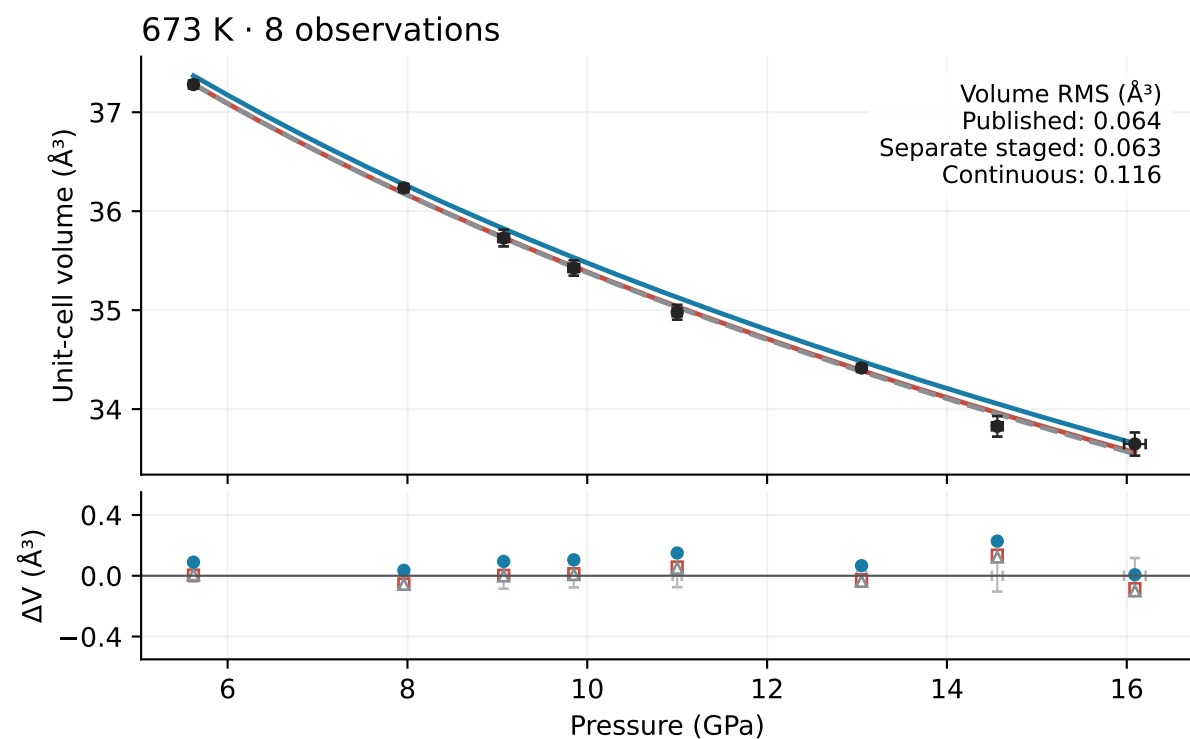
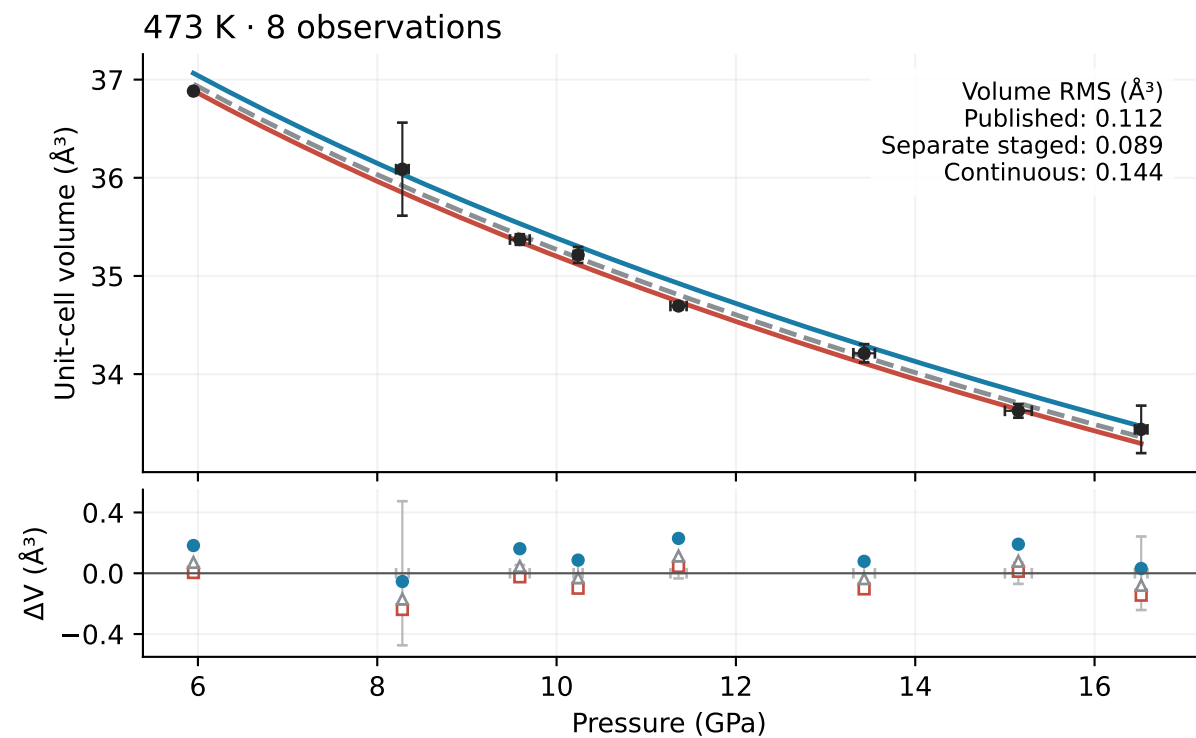
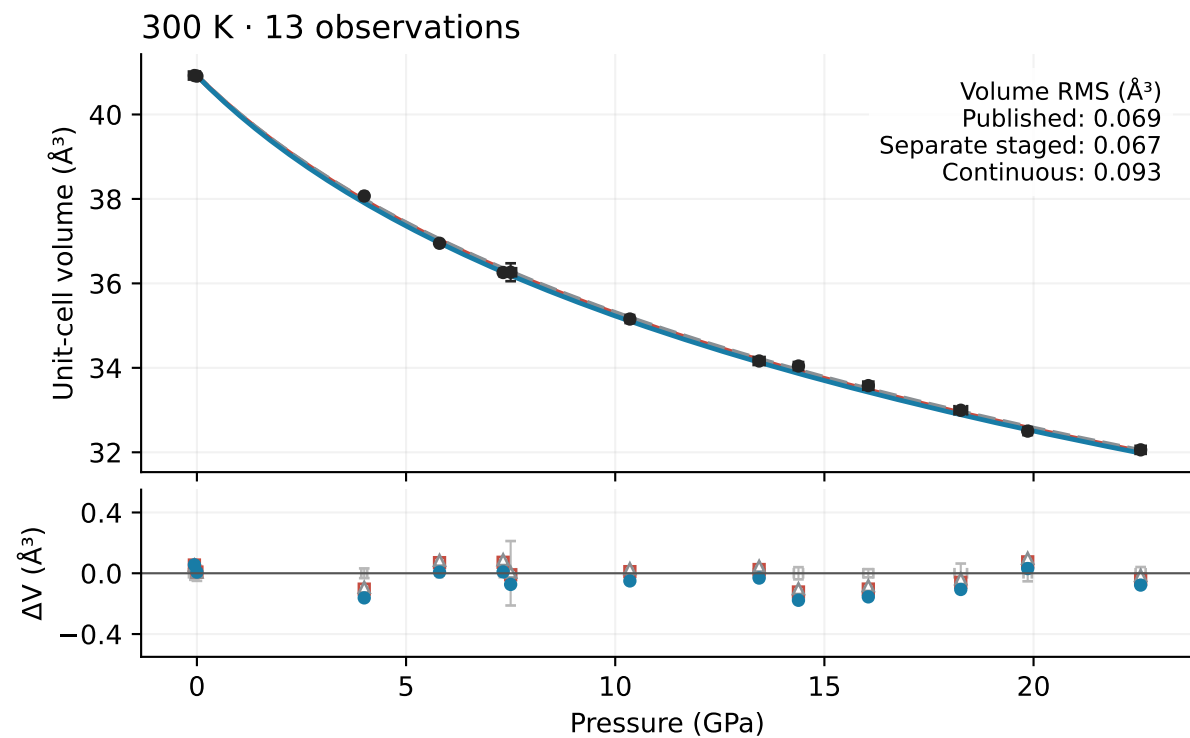


Brucite: continuous EOS from linear fits to the staged moduli

- Published Table 4 observations + reported errors
- Continuous refit: linear $K_0(T)$ and $K'(T)$; ambient expansion fixed
- - Separate staged isotherm refits (before fitting temperature trends)
- Published individual isotherms: printed expansion + tabulated moduli



Fixed $V_0(T) = 40.916585 \exp[6.6918518e-05(T - 300)] \text{\AA}^3$; ambient-only fit retained exactly.
 $K_0(T) = 40.41115 - 0.02807347(T - 300) \text{ GPa}$; $K'(T) = 6.85600 + 0.00517231(T - 300)$.
 Both intercepts/slopes fitted with equal weights to the four staged modulus pairs; raw P-V-T residuals were not reoptimized.
 ΔV = calculated – observed volume at observed pressure; grey bars show reported V/P errors about zero. Model uncertainty is not shown.