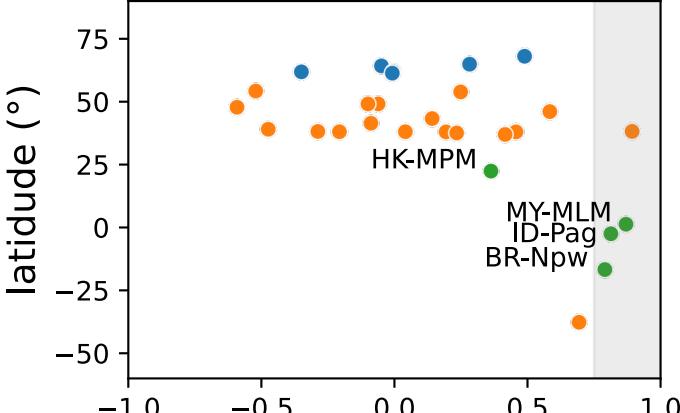
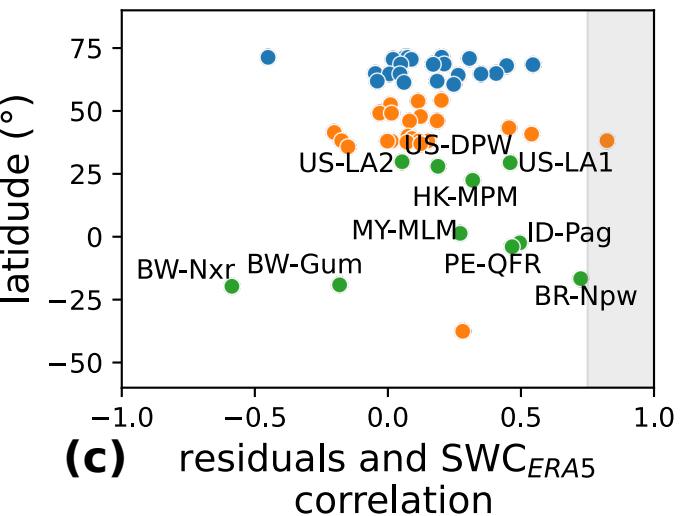


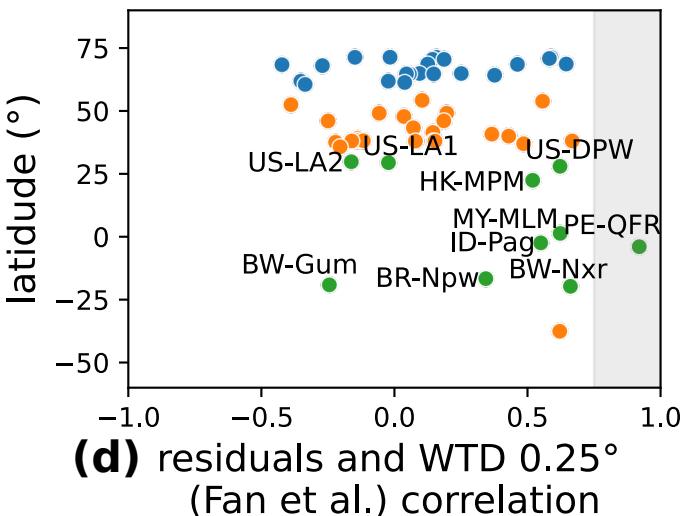
(a) residuals and  $\text{SWC}_{\text{in situ}}$  correlation



(b) residuals and  $\text{WTD}_{\text{in situ}}$  correlation



(c) residuals and  $\text{SWC}_{\text{ERA5}}$  correlation



(d) residuals and  $\text{WTD}$  0.25° (Fan et al.) correlation