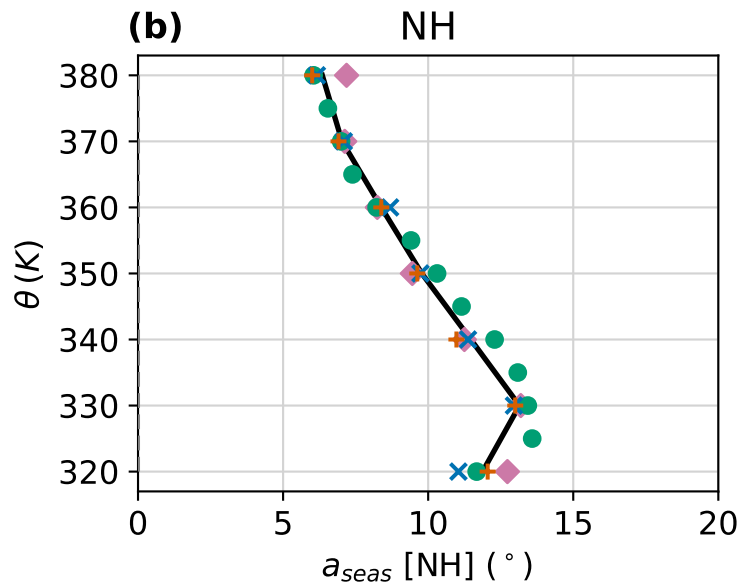
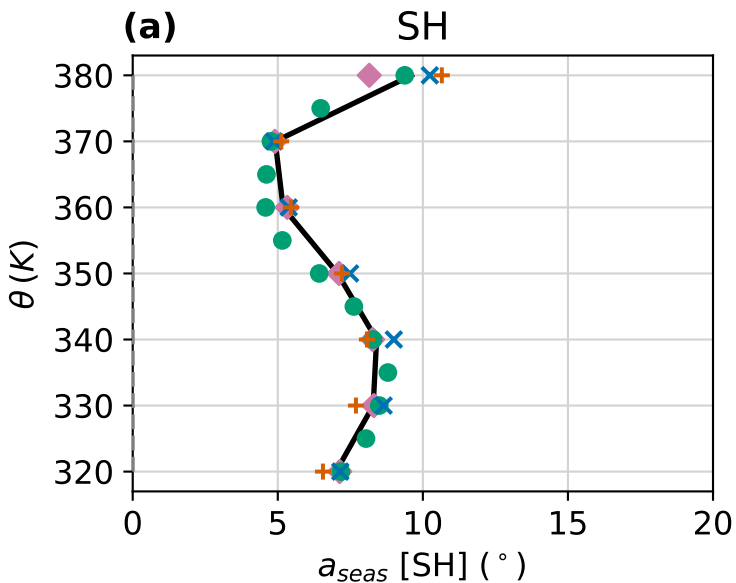


# Seasonal variability amplitude of PVG tropopause latitude $\phi^{TP}$



# Seasonal variability amplitude of PV at the PVG tropopause $PV^{TP}$

