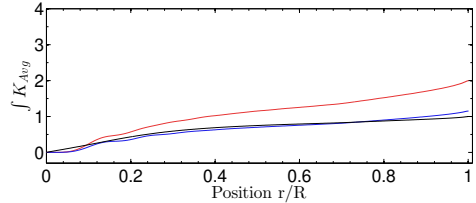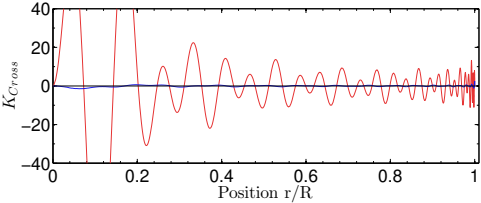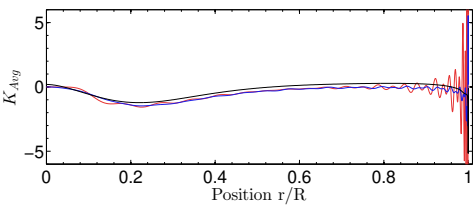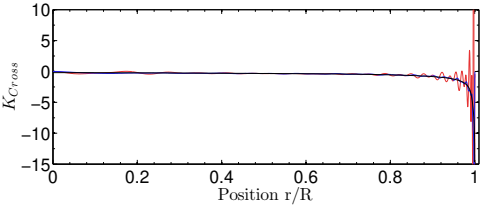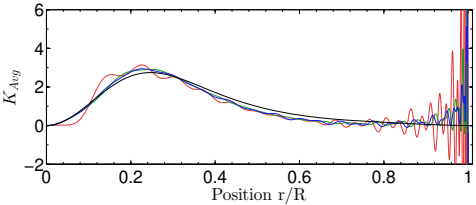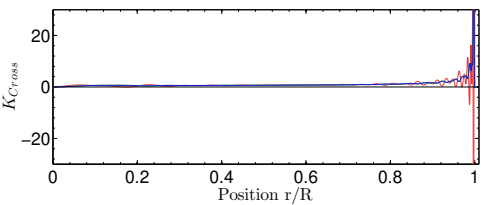Kernels for τ, $\bar{\rho}$ and t for Model 1