

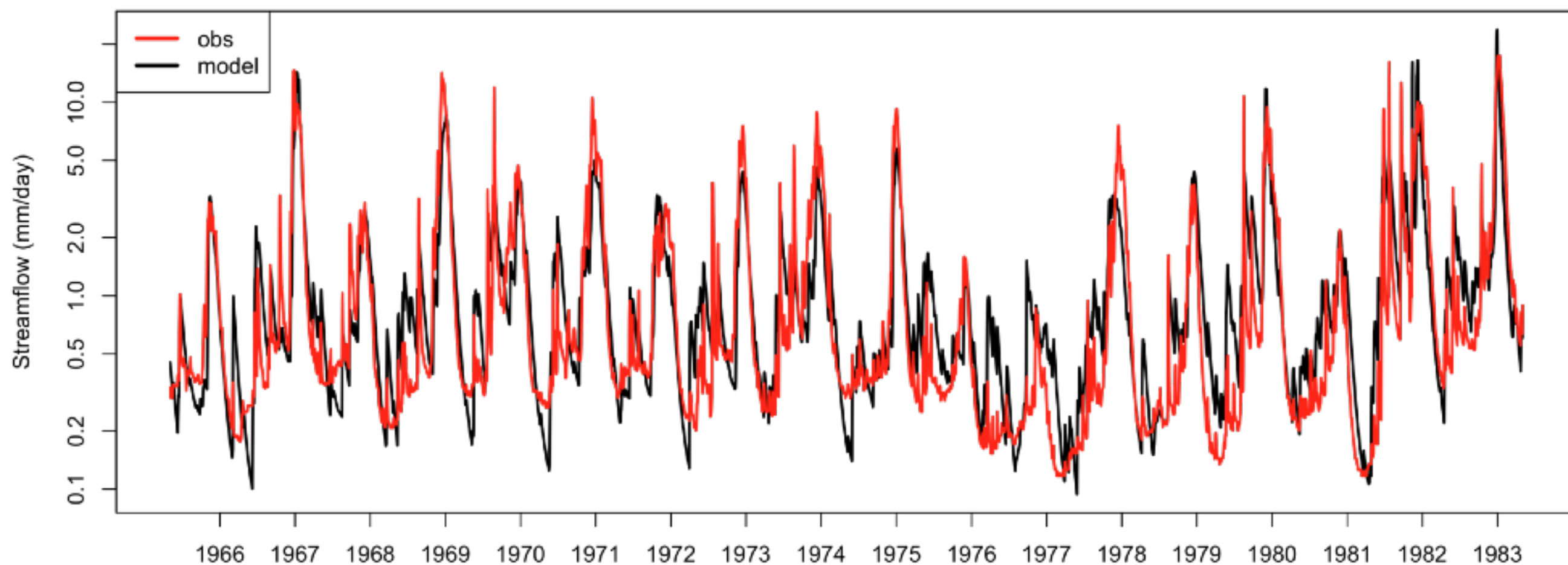
RHESSys hydrologic model performance – post calibration Streamflow (1960-2000)

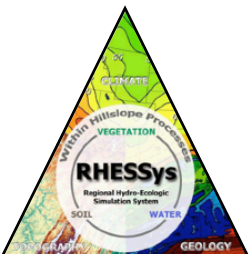
NSE (daily) 0.6

NSE (log transformed daily) 0.6

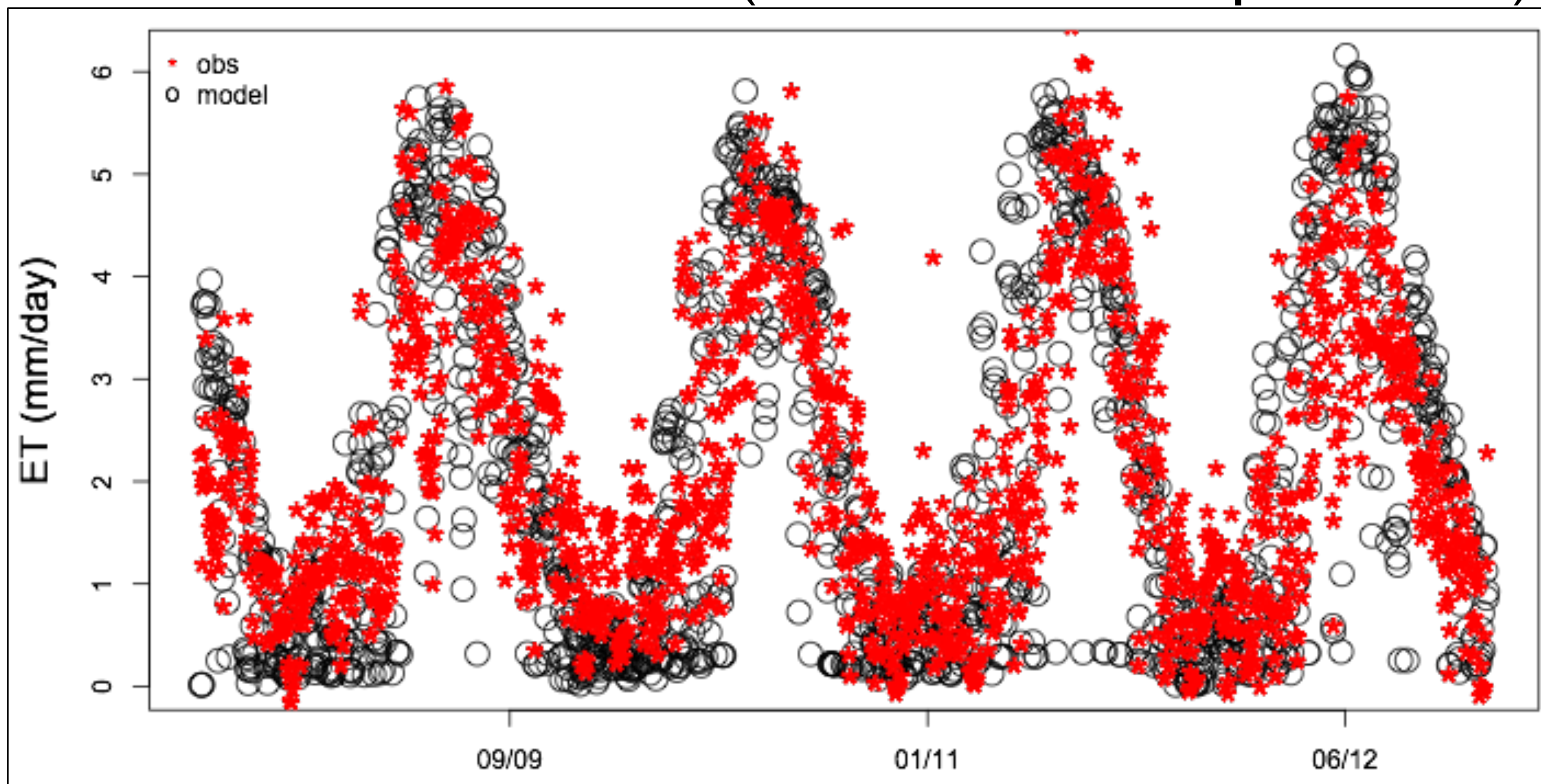
Bias < 10%

Monthly R2 > 0.9





RHESSys and Observed ET - from CZO Mid Elevation Flux Tower (Calibrated soil depth of 4m!)



Water balance (Bales et al., 2011) and RHESSys hydrologic model simulations argue that this can only occur for rooting depth $> 4\text{m}$.

Bales, R.C. (2011) Soil moisture response to snowmelt and rainfall in a Sierra Nevada mixed-conifer forest, *Vadose Zone J.* 10 (3): 786–799. doi:10.2136/vzj2011.0001