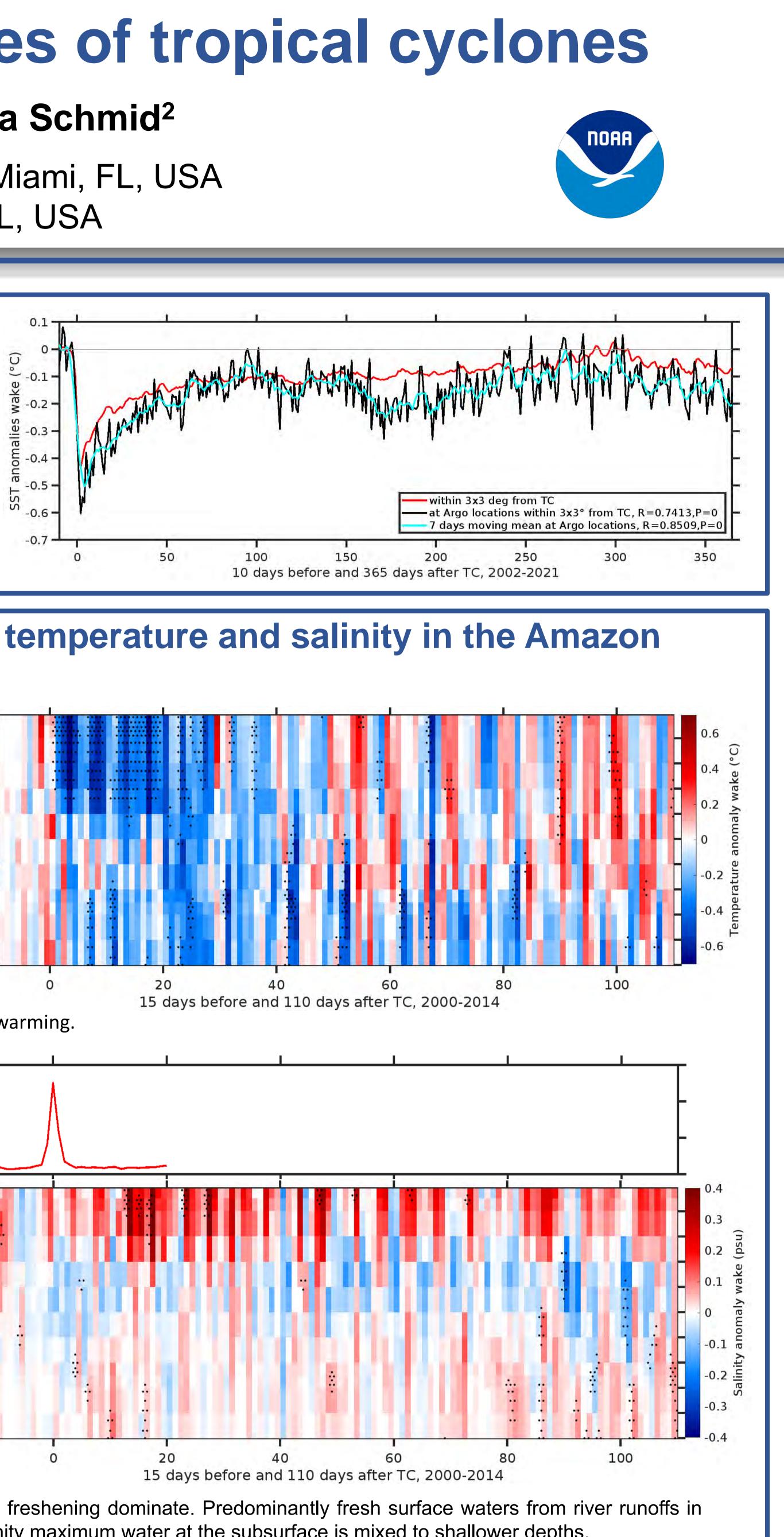
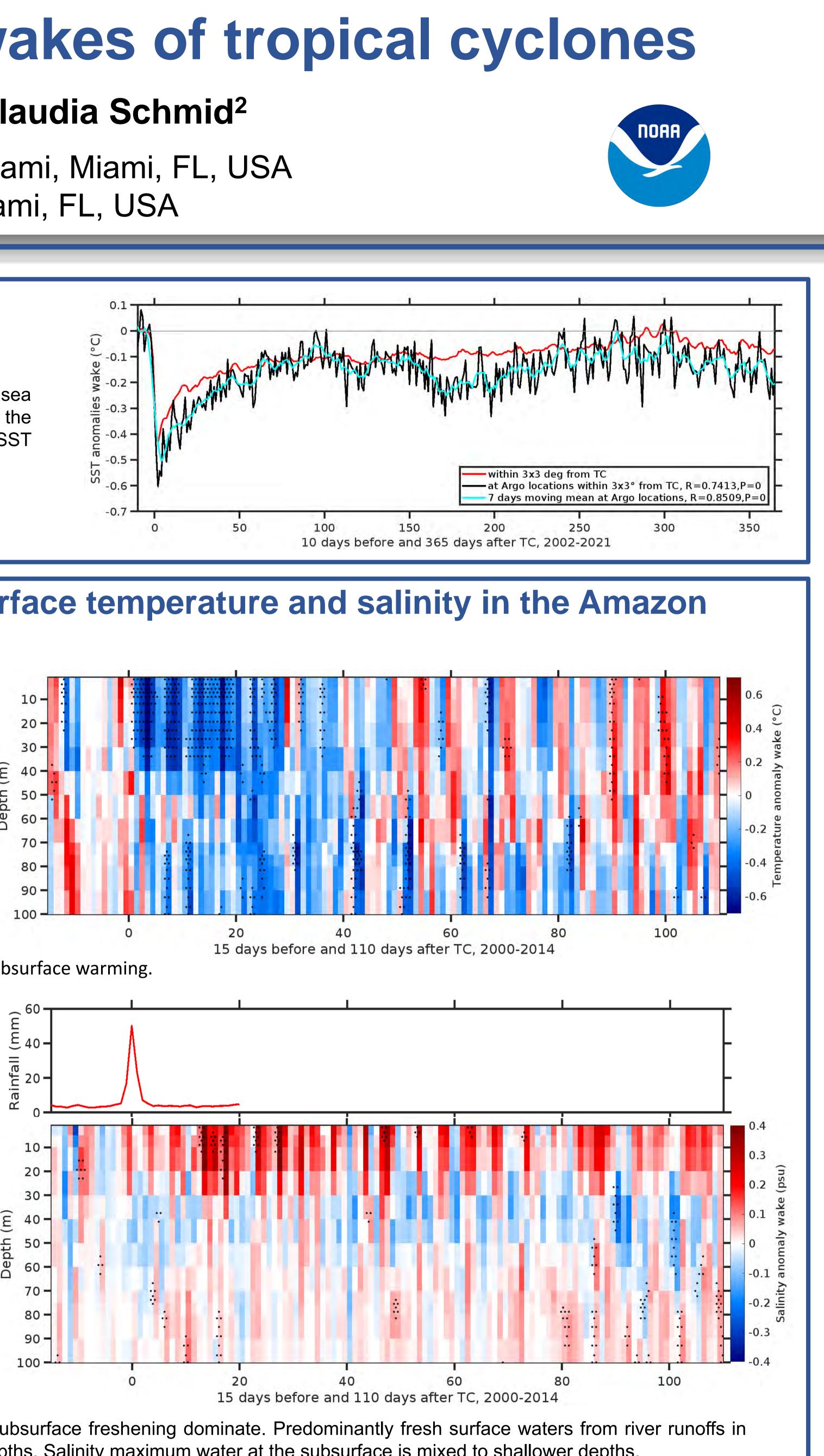


• SSS wakes and salinity wakes 10 m above the MLD show similar pattern.

• MLD increases two days after TC passage.





Mixing down of fresh surface waters from river runoffs in the Amazon plume region, and upward advection of salinity maximum water possibly explains the salty surface salinity wake and subsurface freshening in this region. Expanding the analysis to other basins with dominant TCs.