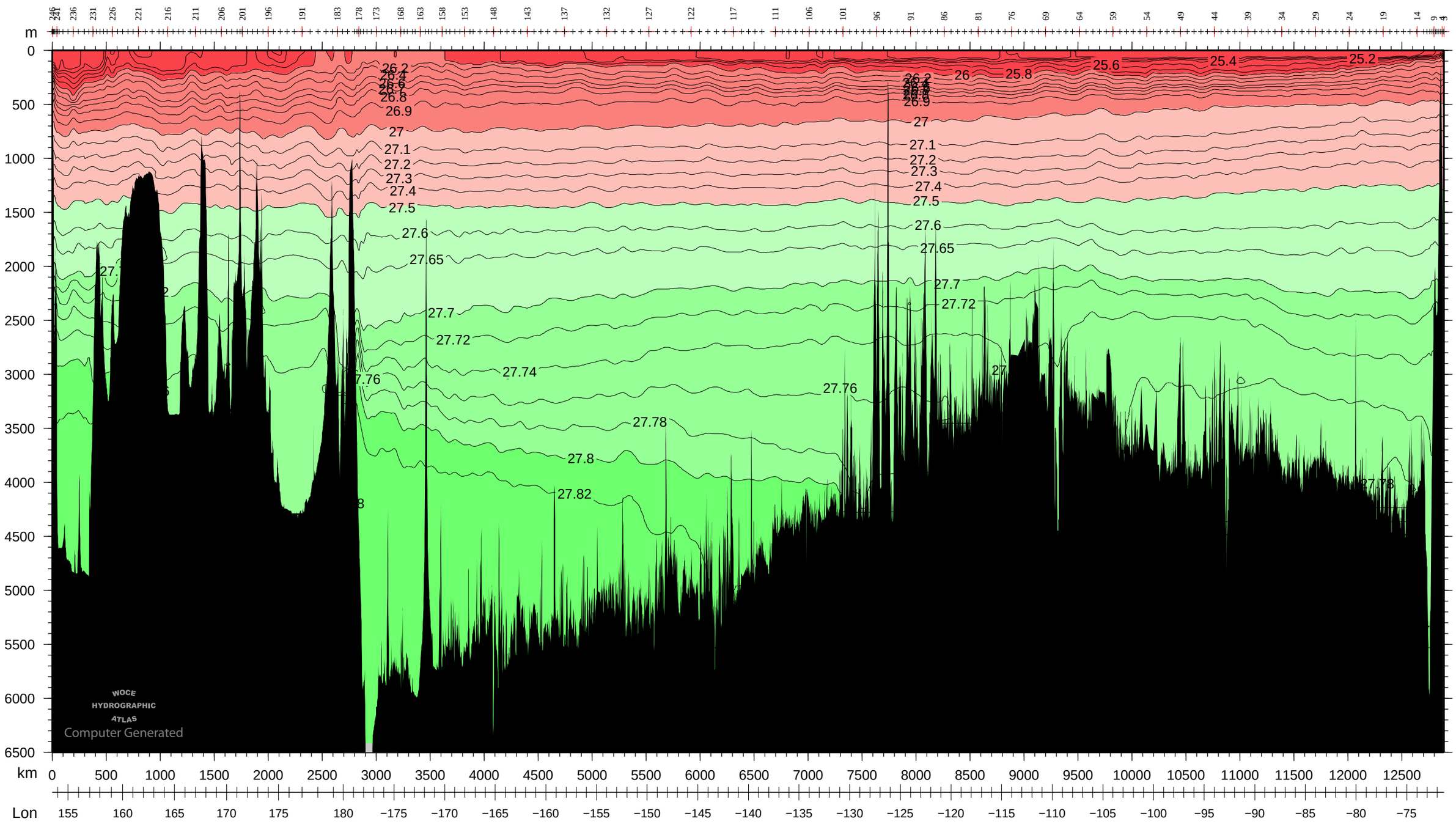σ_0 (kg/m^3) for P06 32˚S (1000:1)