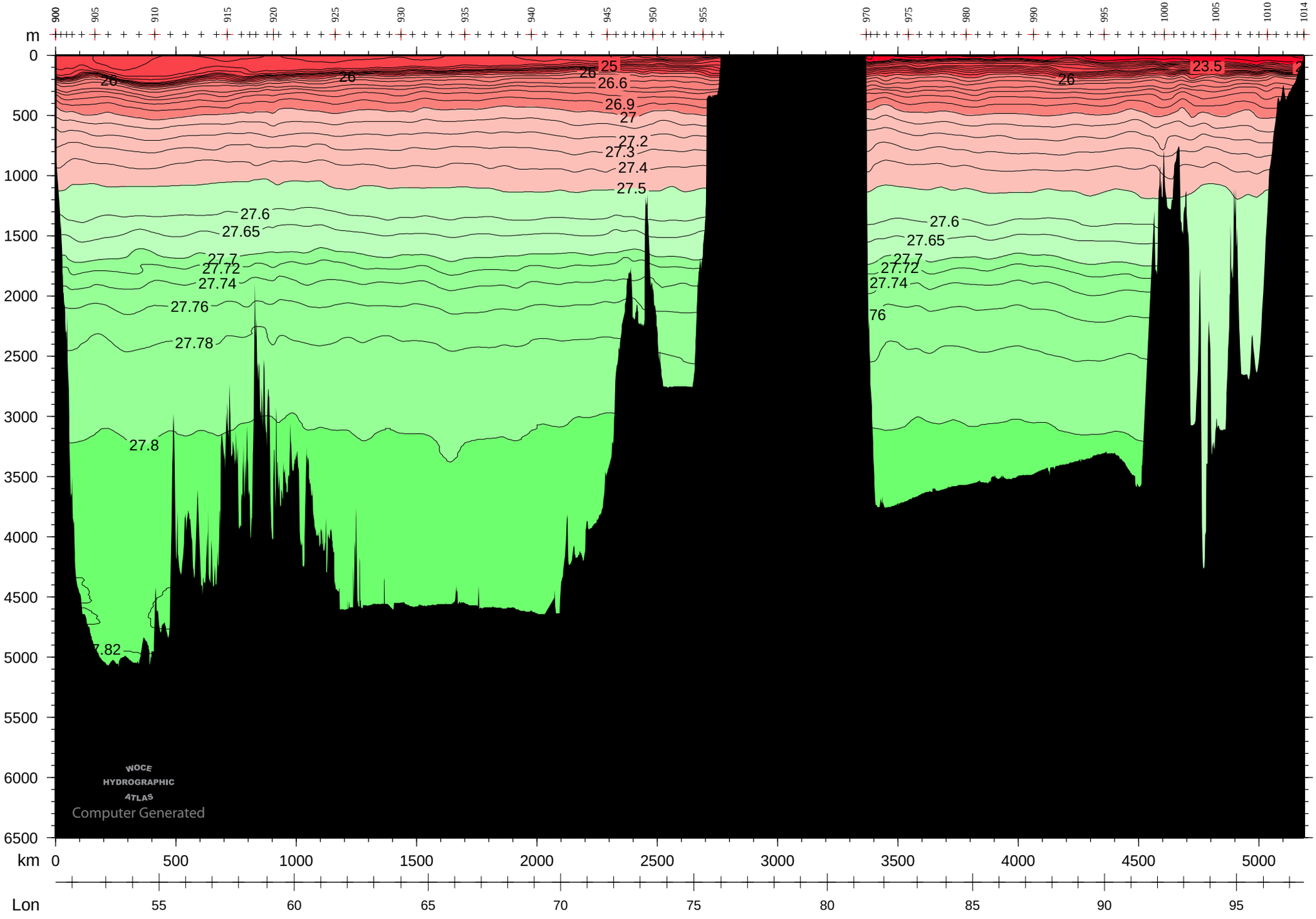σ_0 (kg/m^3) for I01 9°N (500:1)