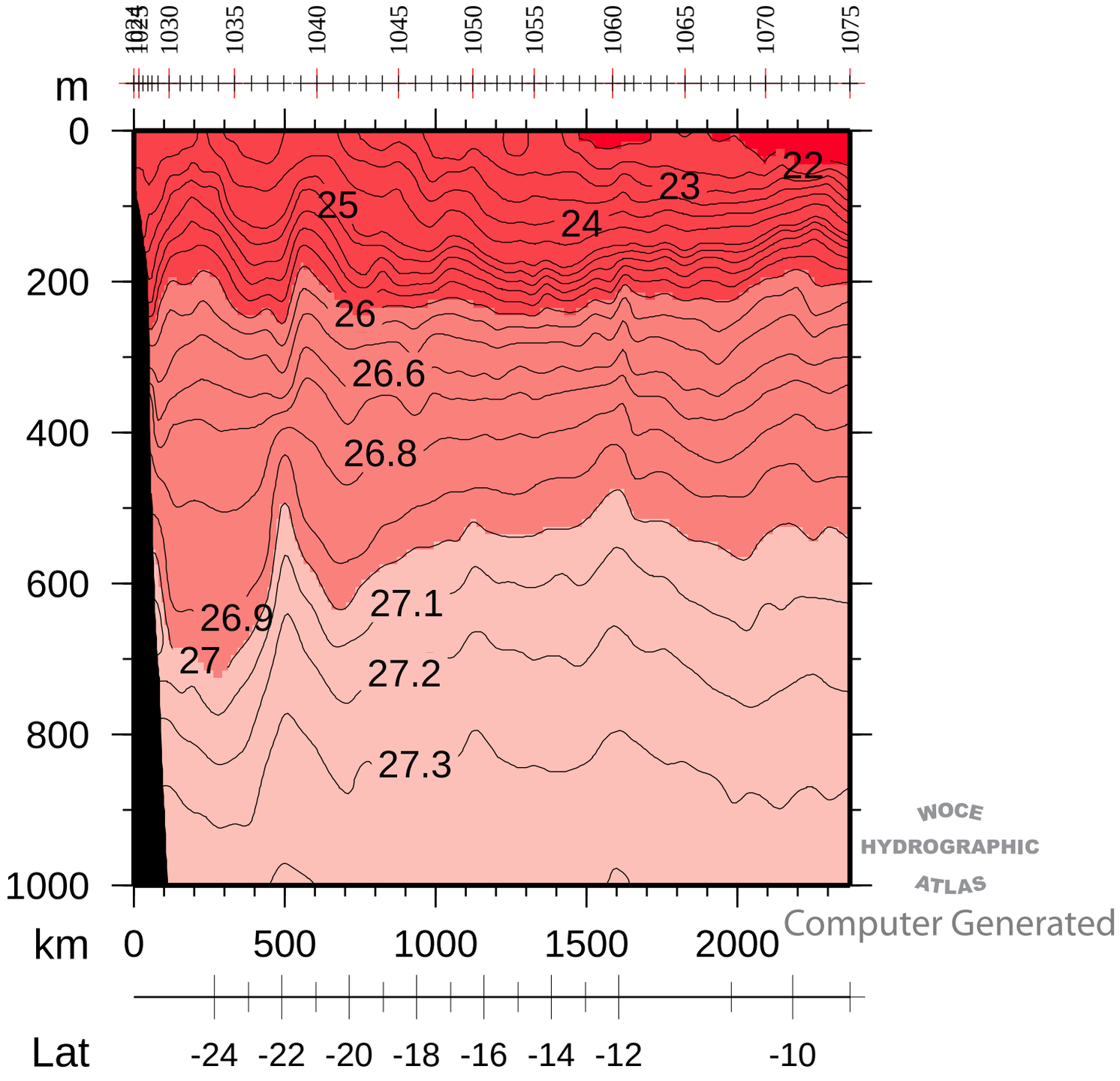σ_0 (kg/m^3) for I10 110°E (2500:1)