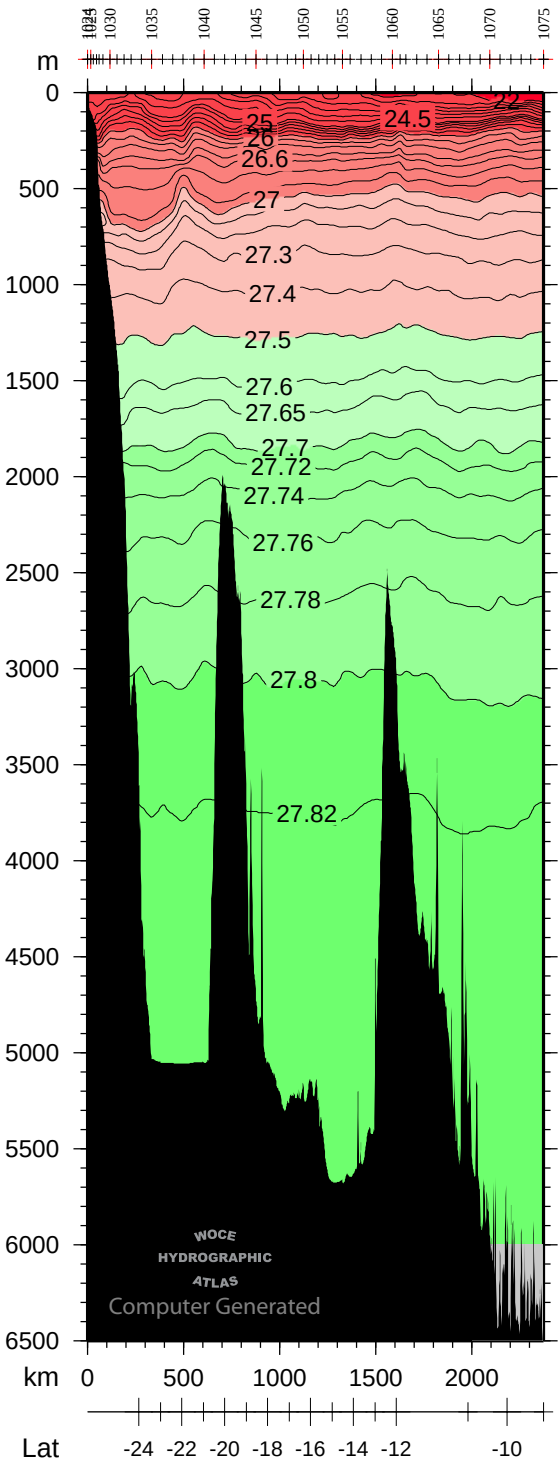σ_0 (kg/m^3) for I10 110°E (1000:1)