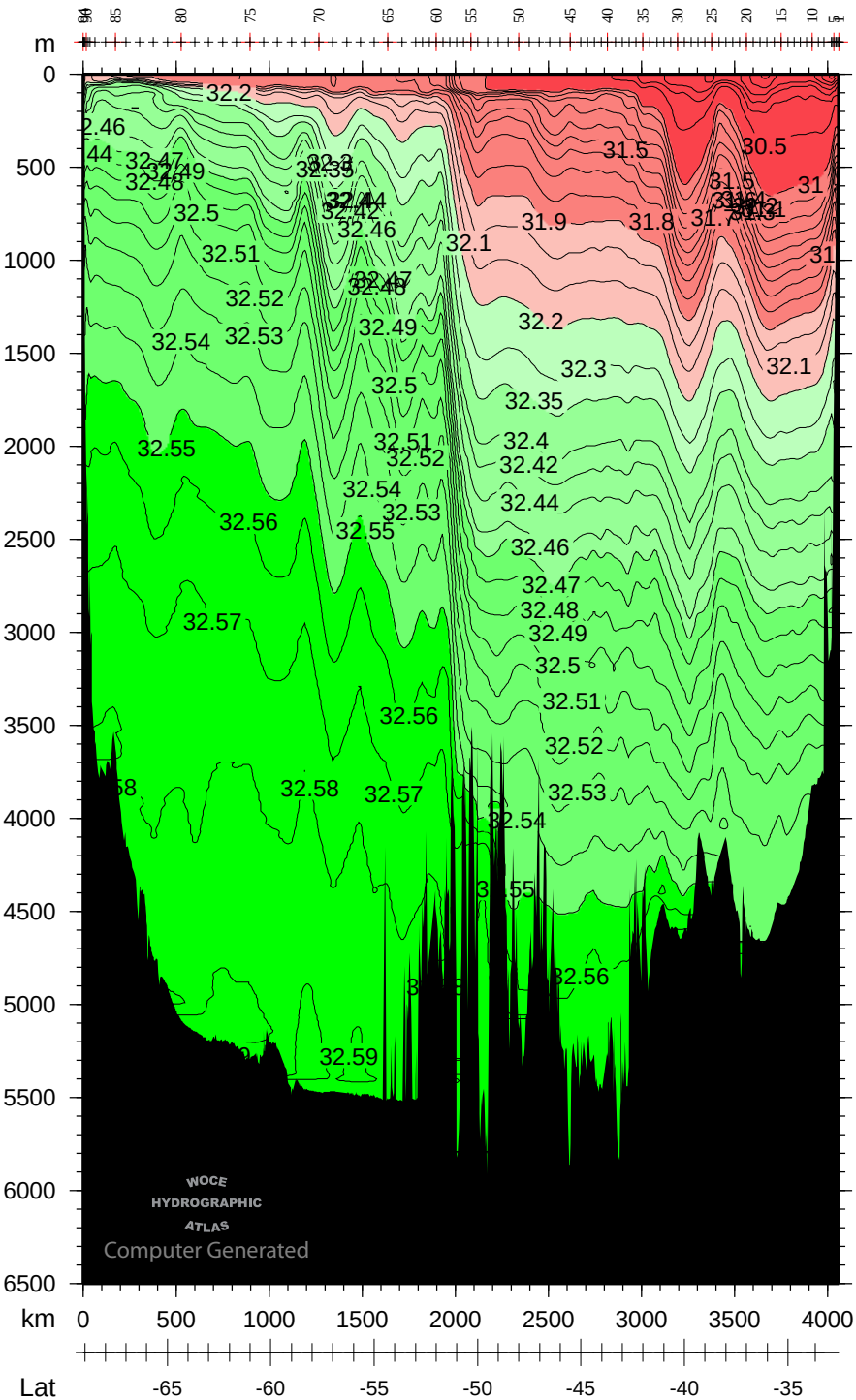σ_1 (kg/m^3) for I06 30°E (1000:1)