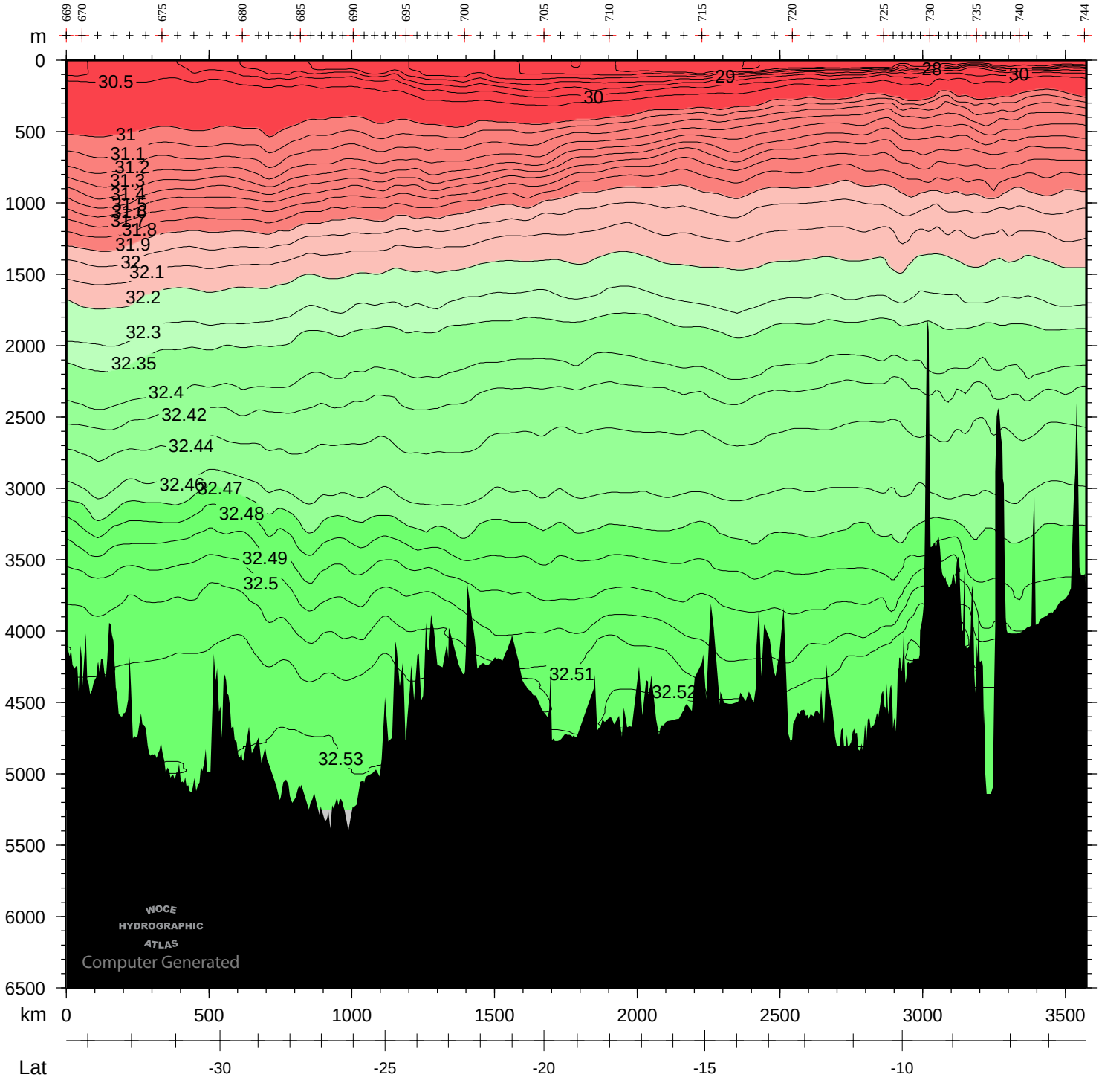σ_1 (kg/m^3) for I07 60°E (500:1) - SOUTH