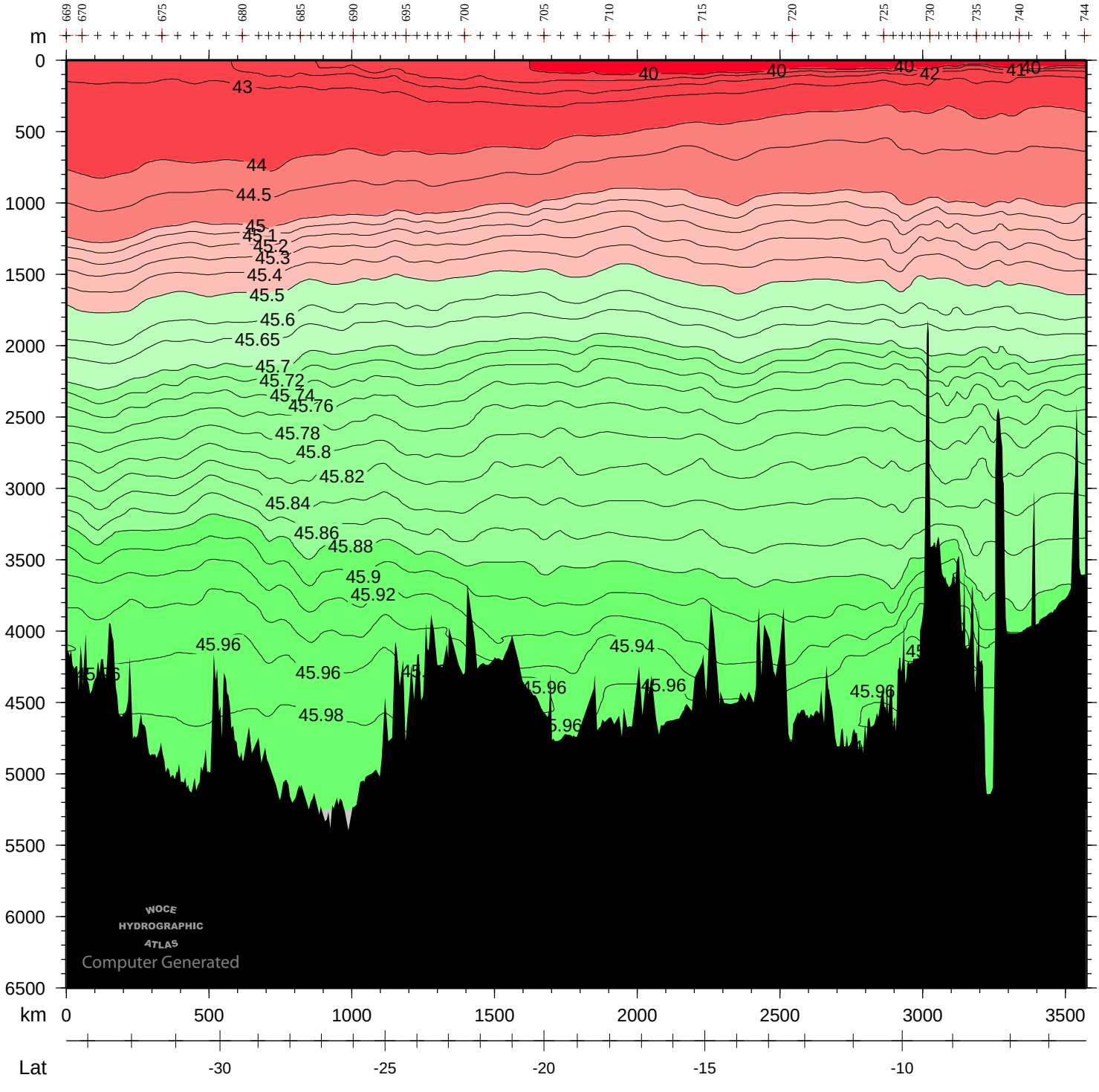σ_4 (kg/m^3) for I07 60˚E (500:1) - SOUTH