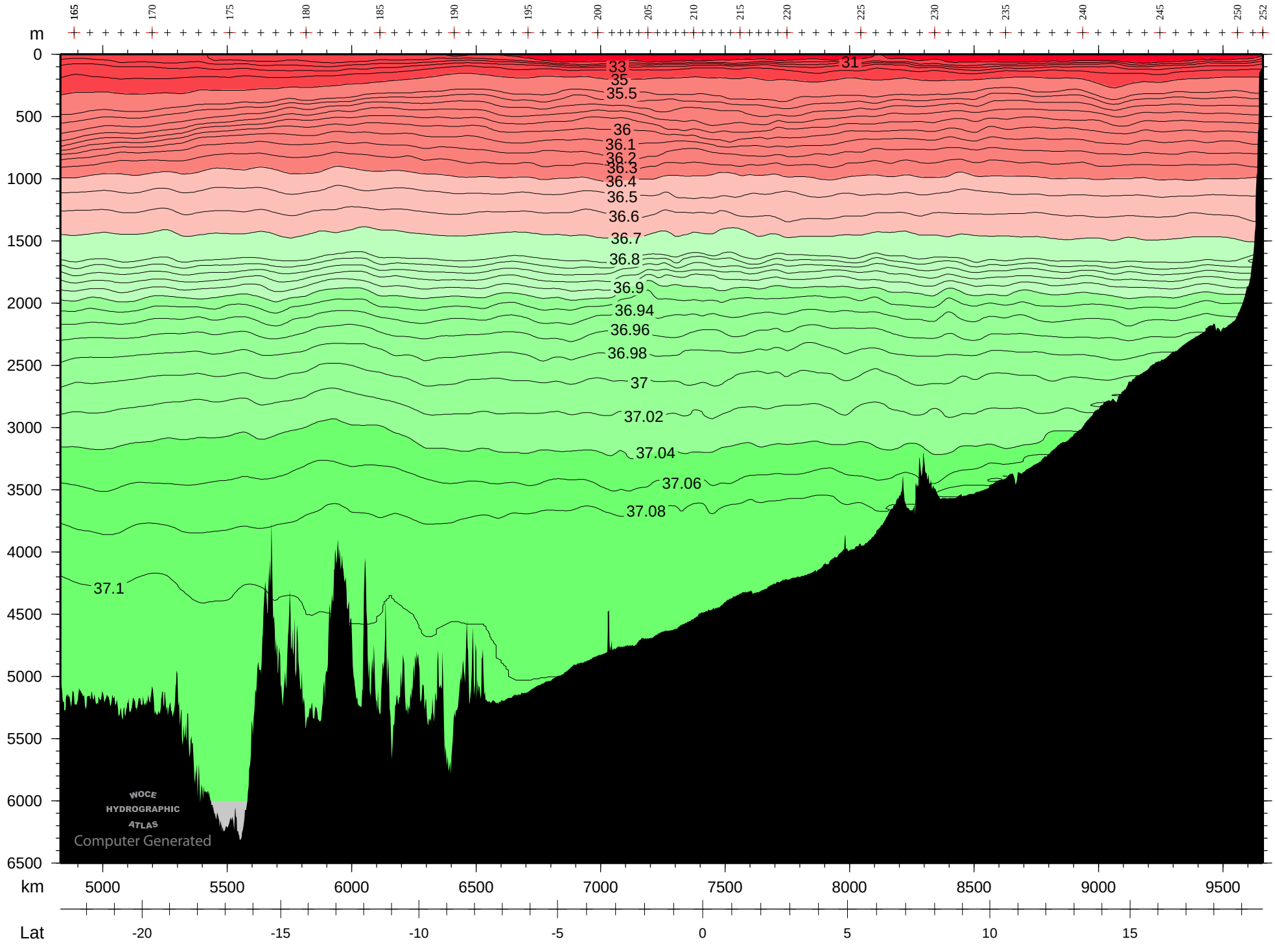σ_2 (kg/m^3) for I08I09 95˚E (500:1) - NORTH