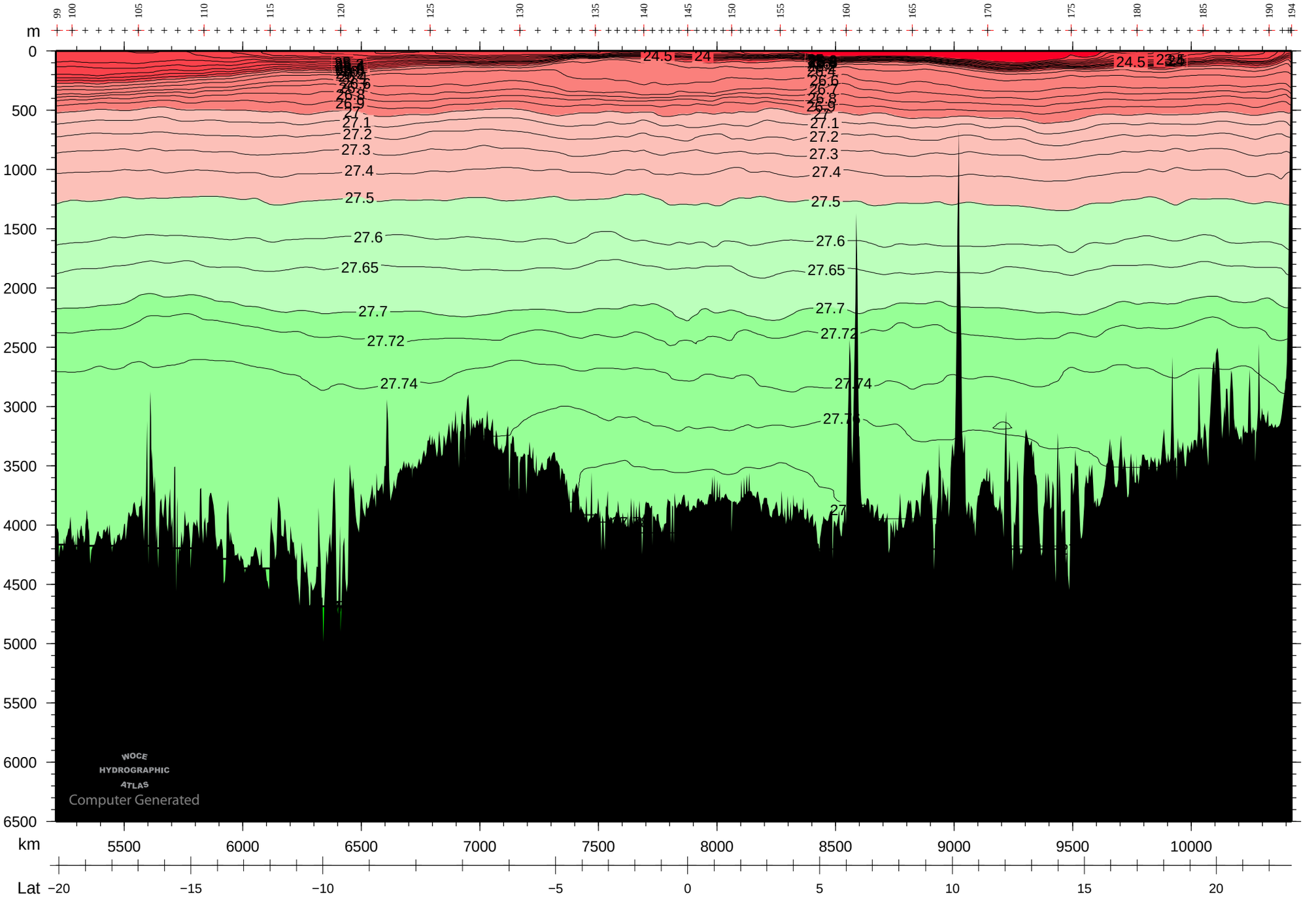σ_0 (kg/m^3) for P18 105°W (500:1) – NORTH