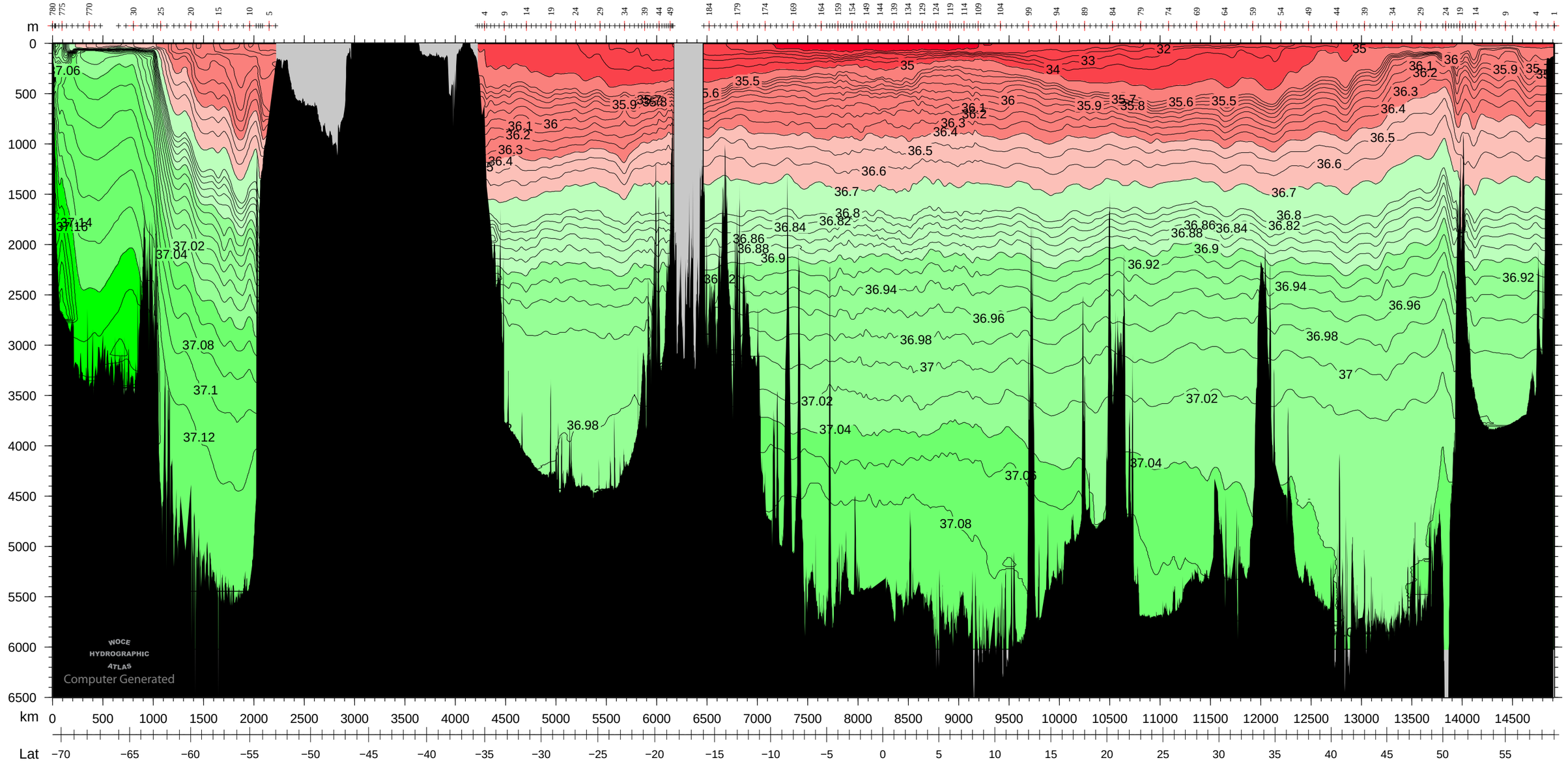σ_2 (kg/m^3) for P14 179°E (1000:1)