

Early growth dynamical implications for the steerability of stratospheric solar radiation management via sulfur aerosol particlesFrançois Benduhn¹, Jennifer Schallock¹, Mark G. Lawrence¹¹Institute for Advanced Sustainability Studies, Potsdam, Germany.**Contents of this file**

Figure S1

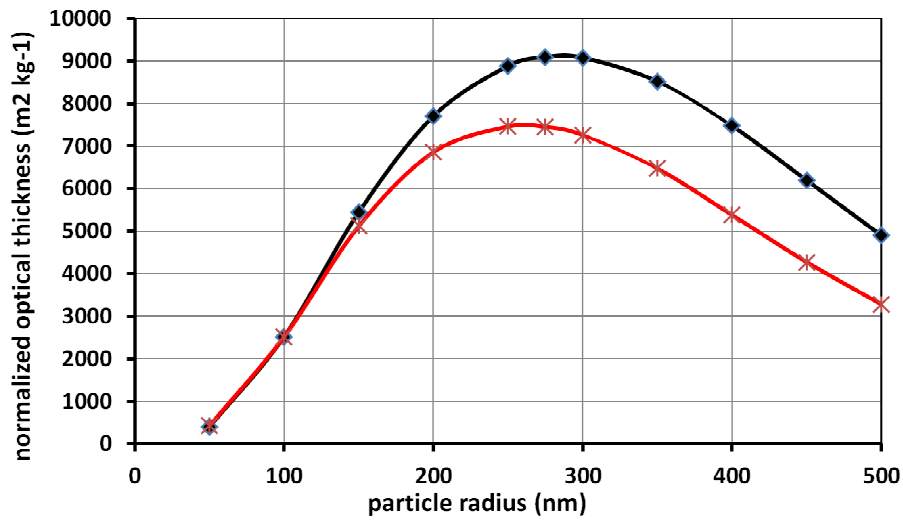


Figure S1. Optical thickness per unit mass of aerosol per unit surface [m² kg⁻¹] as a function of particle radius [nm] at wavelength $\lambda=500$ nm, without (black line) and with (red) the effect of sedimentation on aerosol mass. The optical thickness is computed according to the Evans-Fournier approximation [Kokhanovsky and Zege, 1997]. Global average aerosol mass reduction due to sedimentation is estimated according to Benduhn and Lawrence [2013].