Trajectory-Based Dust Evolution in Disks: First Results from the RAPID simulation code

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Keywords: keyword1, Keyword2, Keyword3, Keyword4

1 Supplementary Online Material for the Evolution of the Gas Component

Figures S1/1 – S1/9 present the time evolution of the gaseous component of the disk, i.e., the density contrast ($\Sigma/\Sigma_{t=0}$) and the pressure gradient on a SymLog scale.

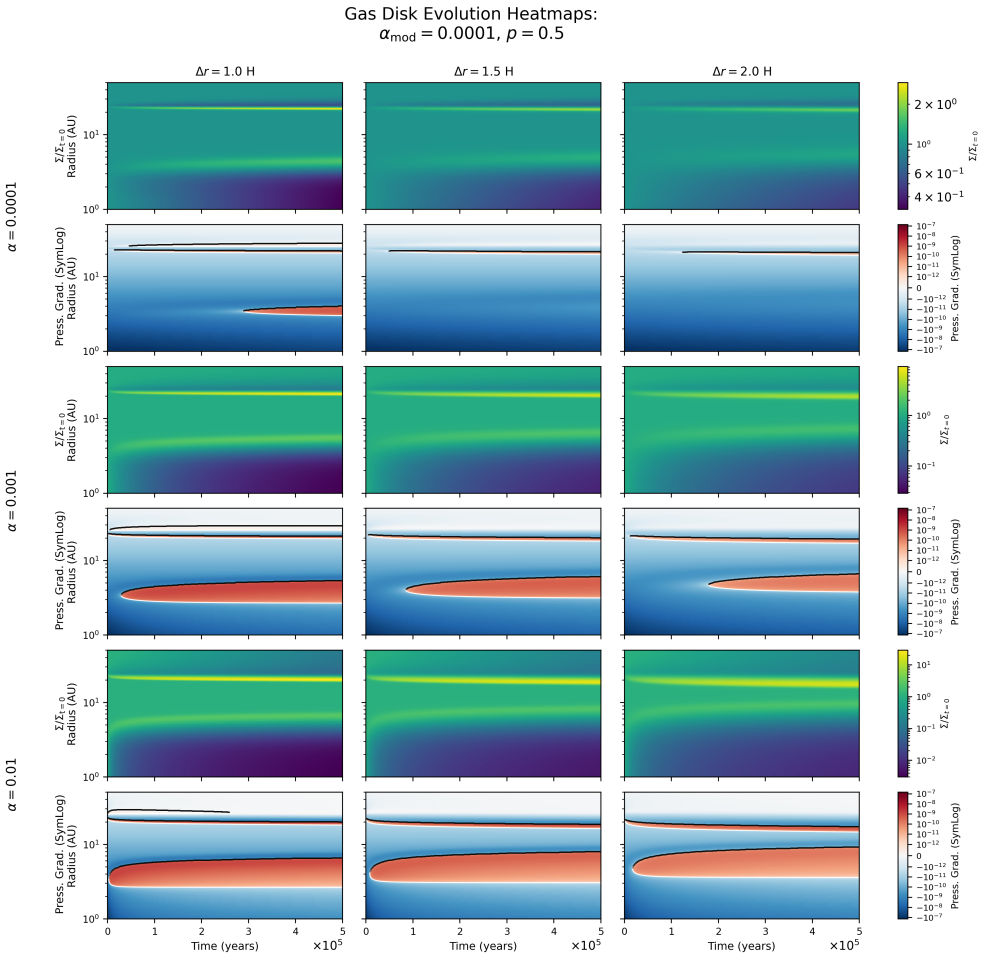

Fig. S1/1 The evolution of $\Sigma/\Sigma_{\mathrm{t=0}}$ in the case of $\alpha_{\mathrm{mod}} = 0.0001$ and $p = 0.5$.

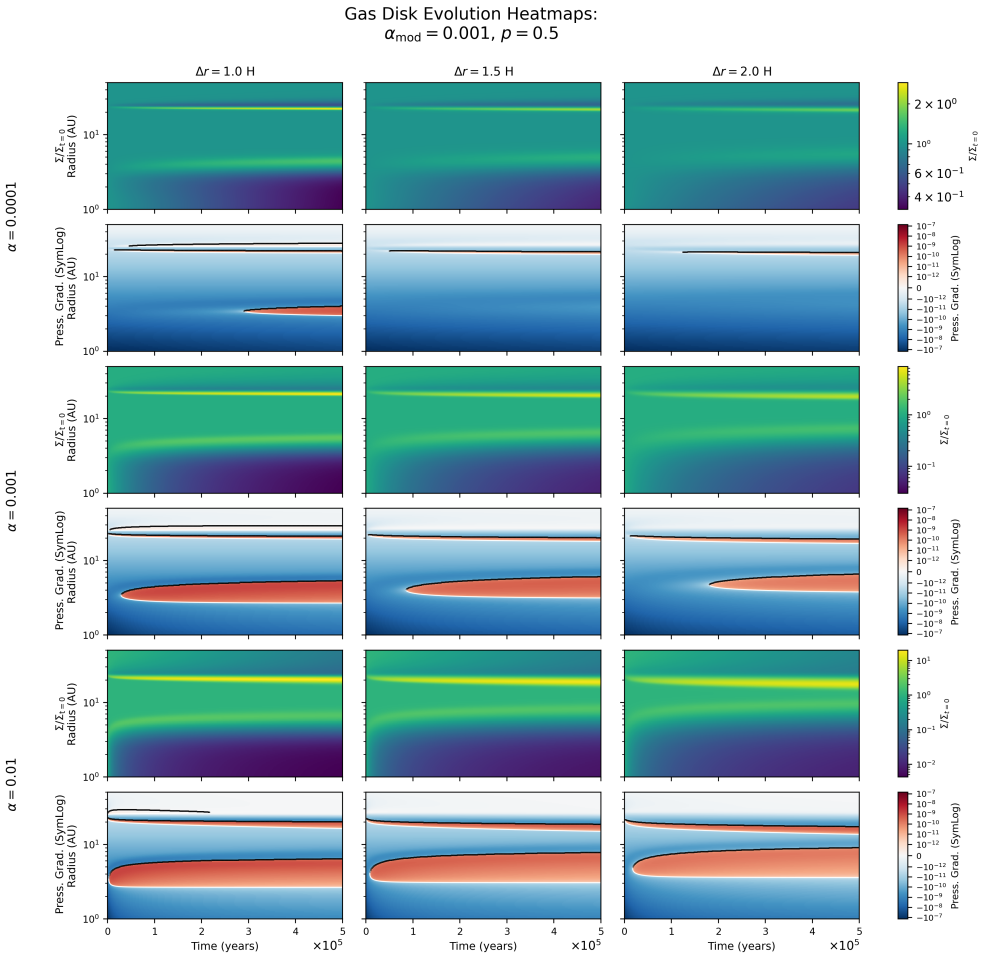

Fig. S1/2 The evolution of $\Sigma/\Sigma_{\mathrm{t=0}}$ in the case of $\alpha_{\mathrm{mod}} = 0.001$ and $p = 0.5$.

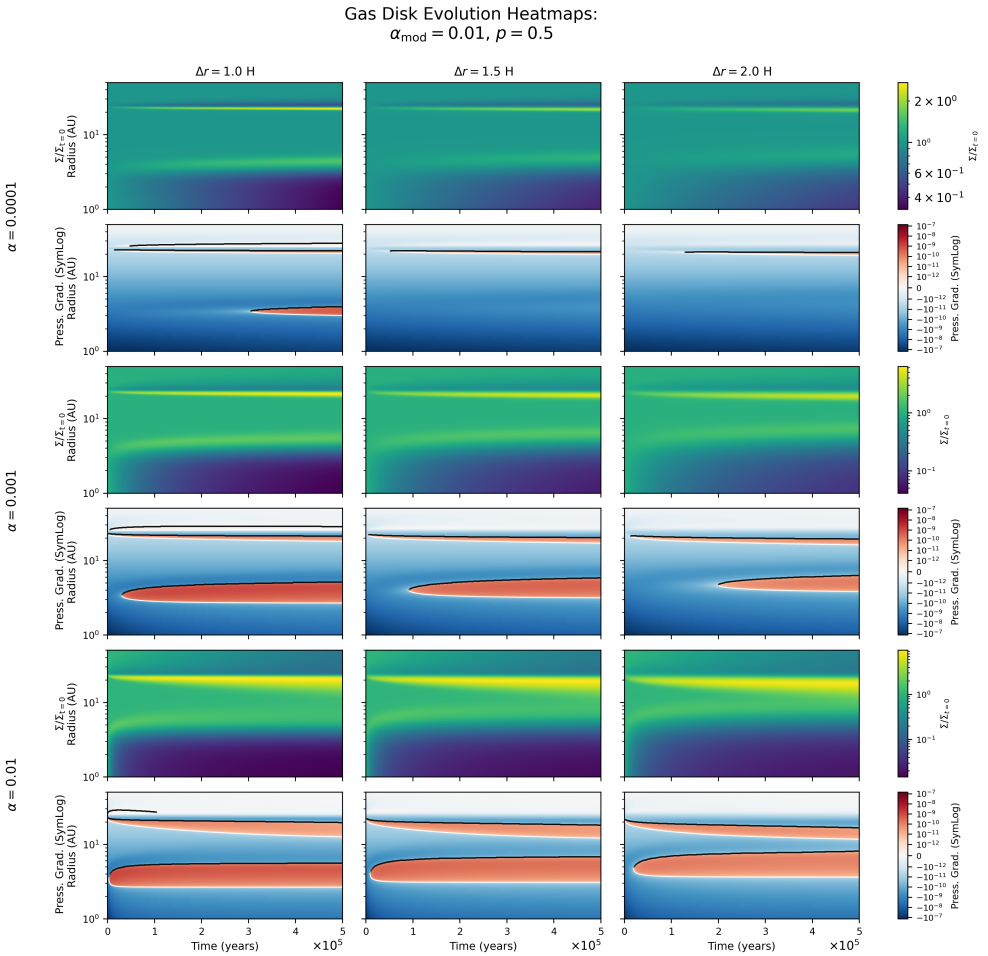

Fig. S1/3 The evolution of $\Sigma/\Sigma_{\mathrm{t=0}}$ in the case of $\alpha_{\mathrm{mod}} = 0.01$ and $p = 0.5$.

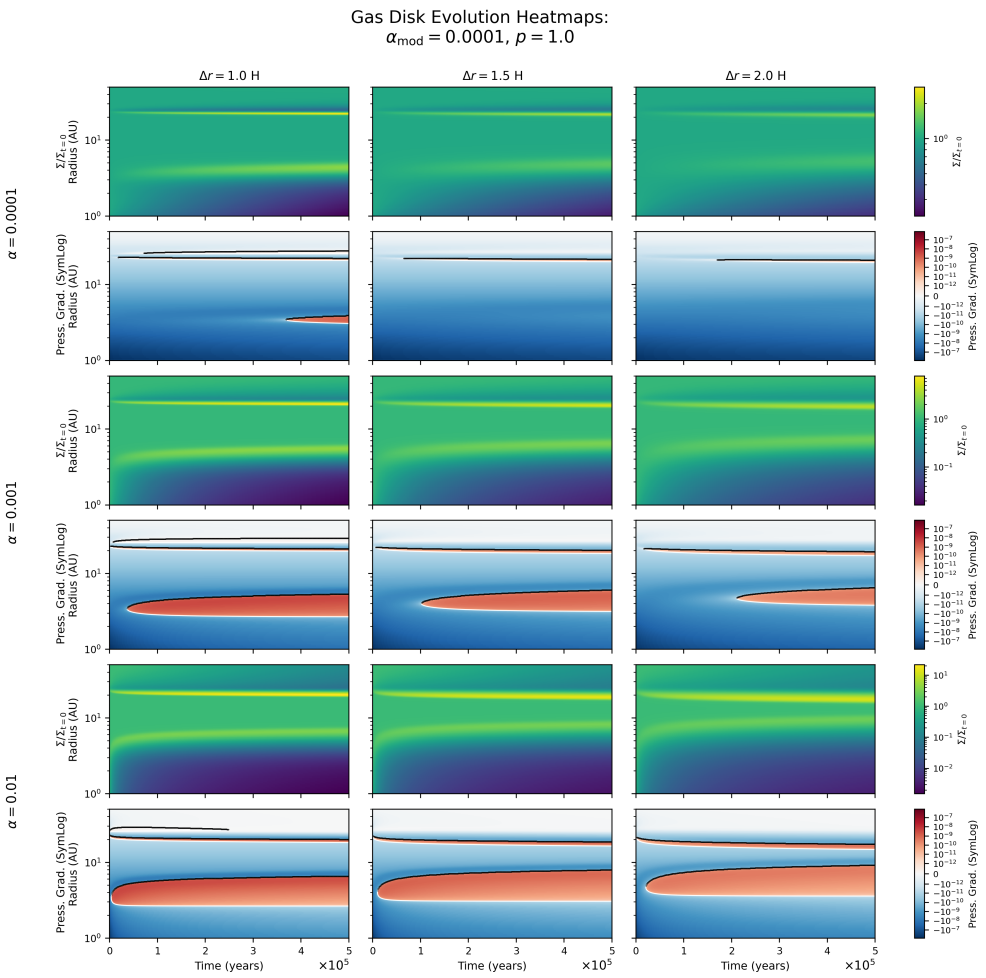

Fig. S1/4 The evolution of $\Sigma/\Sigma_{\rm t=0}$ in the case of $\alpha_{\rm mod} = 0.0001$ and $p = 1.0$.

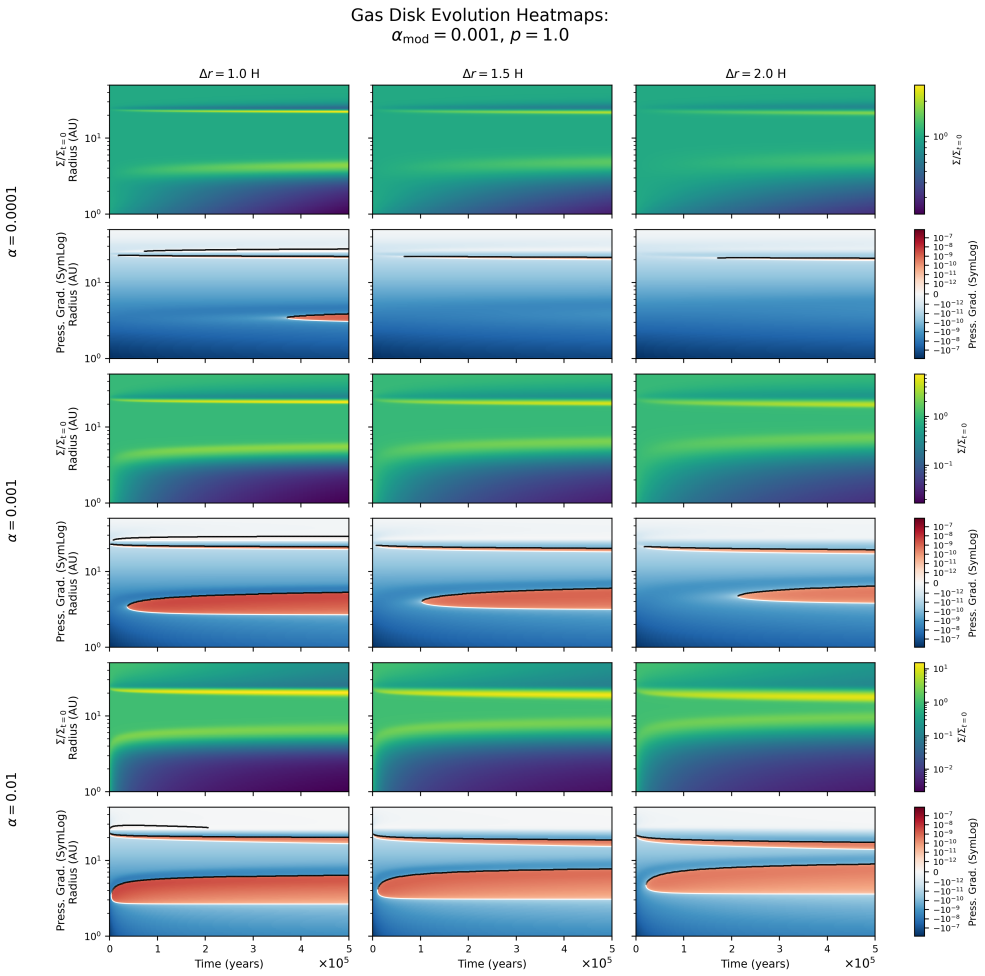

Fig. S1/5 The evolution of $\Sigma/\Sigma_{\mathrm{t=0}}$ in the case of $\alpha_{\mathrm{mod}} = 0.001$ and $p = 1.0$.

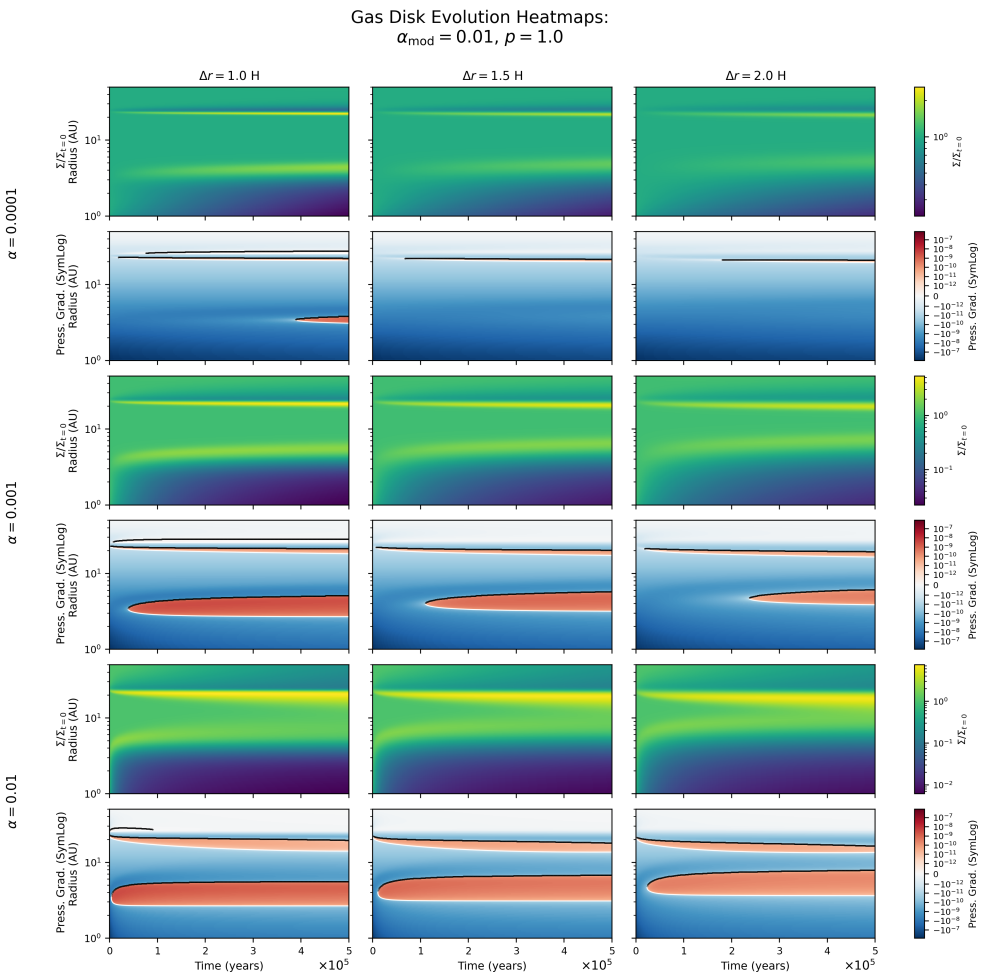

Fig. S1/6 The evolution of $\Sigma/\Sigma_{\mathrm{t=0}}$ in the case of $\alpha_{\mathrm{mod}} = 0.01$ and $p = 1.0$.

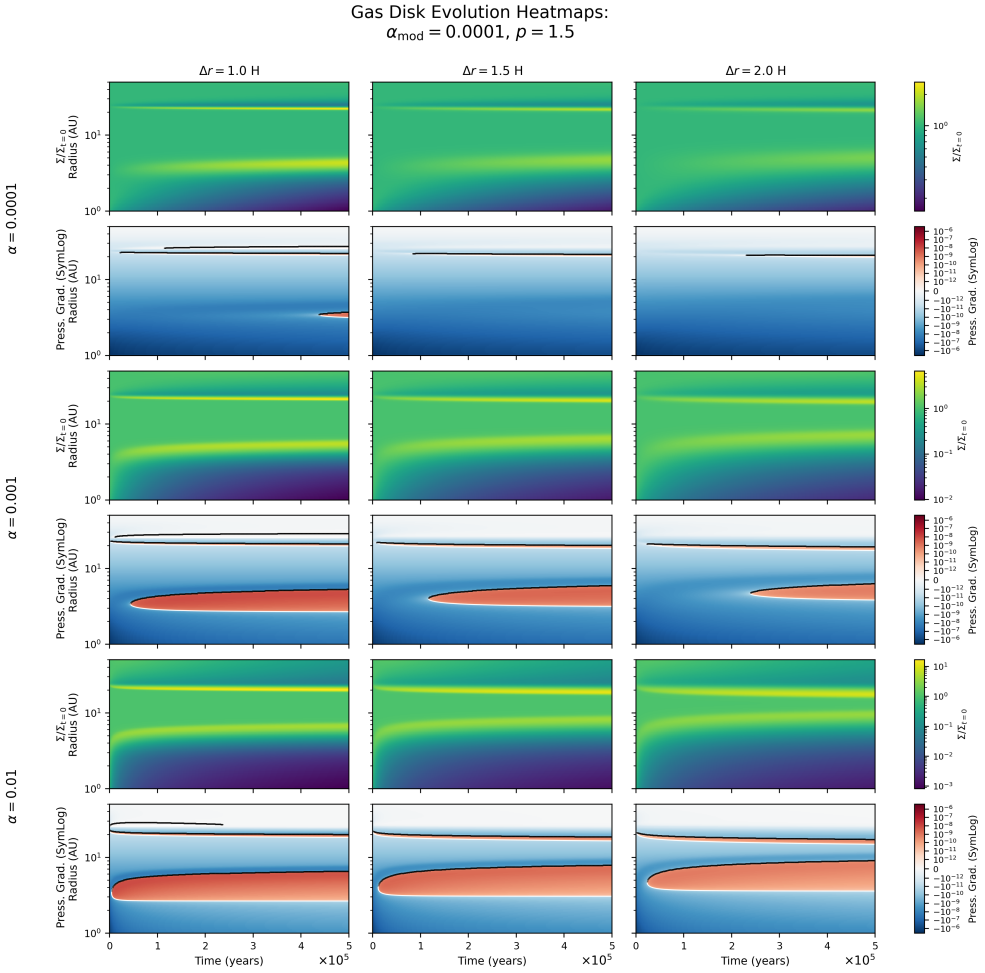

Fig. S1/7 The evolution of $\Sigma/\Sigma_{\mathrm{t=0}}$ in the case of $\alpha_{\mathrm{mod}} = 0.0001$ and $p = 1.5$.

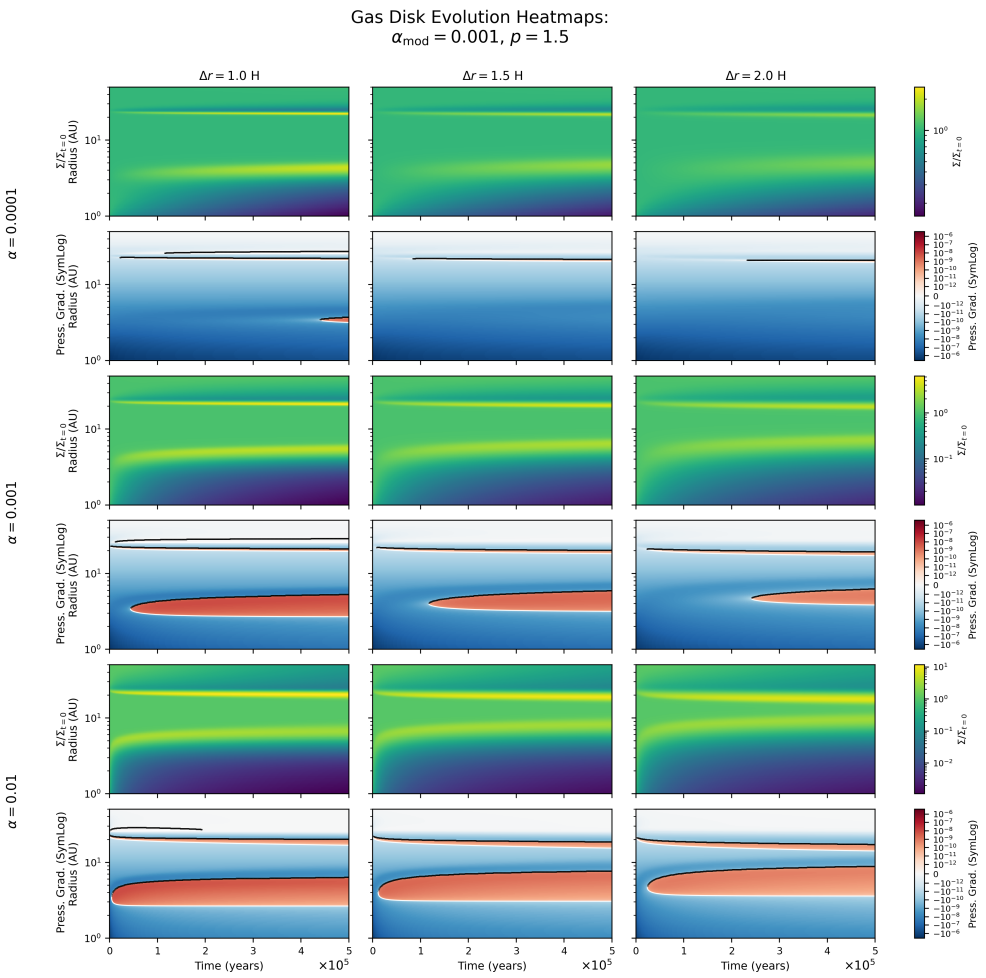

Fig. S1/8 The evolution of $\Sigma/\Sigma_{\mathrm{t=0}}$ in the case of $\alpha_{\mathrm{mod}} = 0.001$ and $p = 1.5$.

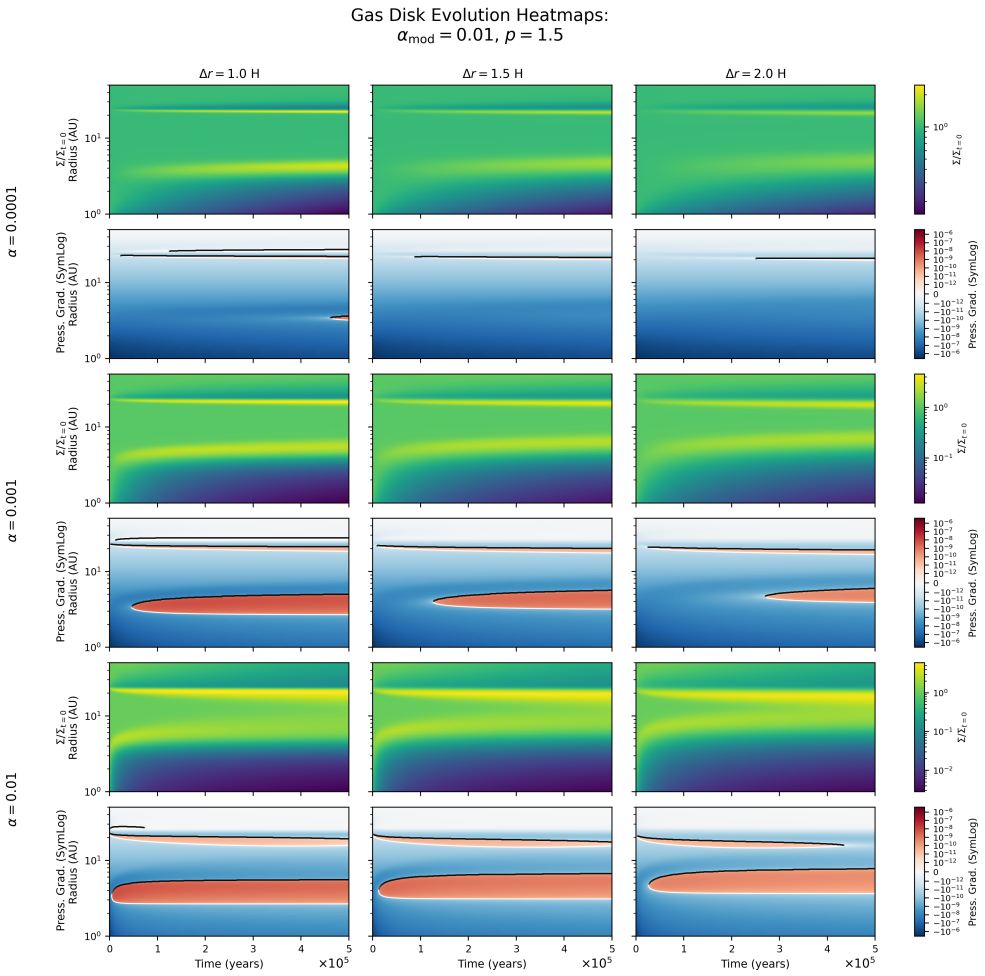

Fig. S1/9 The evolution of $\Sigma/\Sigma_{\mathrm{t=0}}$ in the case of $\alpha_{\mathrm{mod}} = 0.01$ and $p = 1.5$.