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

Dóra Tarczay-Nehéz[1,2*]

[1*]Konkoly Observatory, HUN-REN CSFK, Konkoly Thege Miklós út 15-17, Budapest, 1121, Hungary.
[2]CSFK, MTA Centre of Excellence, Konkoly Thege Miklós út 15-17, Budapest, 1121, Hungary.

Corresponding author(s). E-mail(s): tarczaynehez.dora@csfk.org;

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3 Supplementary Online Material for Mass Growth at the Edges of the Dead Zone

Figures S3/1 – S3/9 present the mass accumulation at the edges of the dead zone. In all Figures, blue, red, and green lines present the inner and outer edges, and the secondary maximum, respectively.

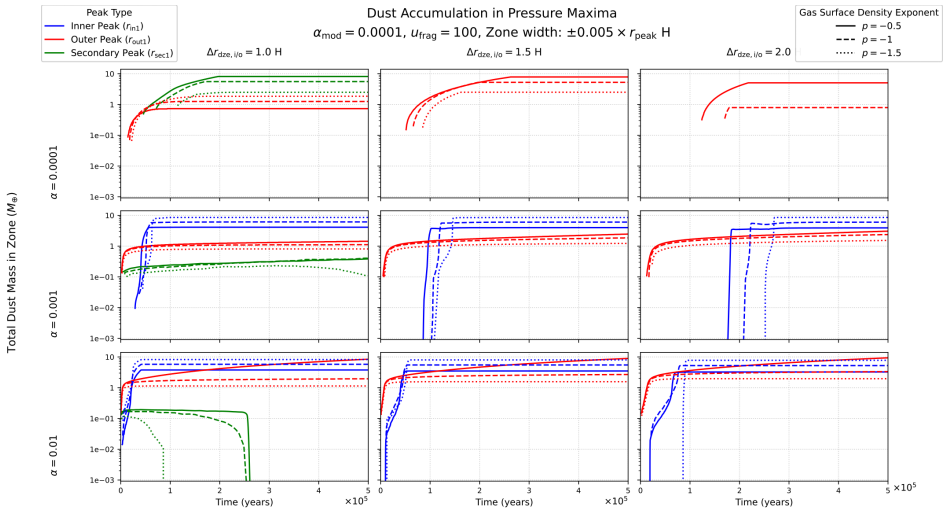

Fig. S3/1 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.0001$, $u_{\mathrm{frag}} = 100\,cm/s$.

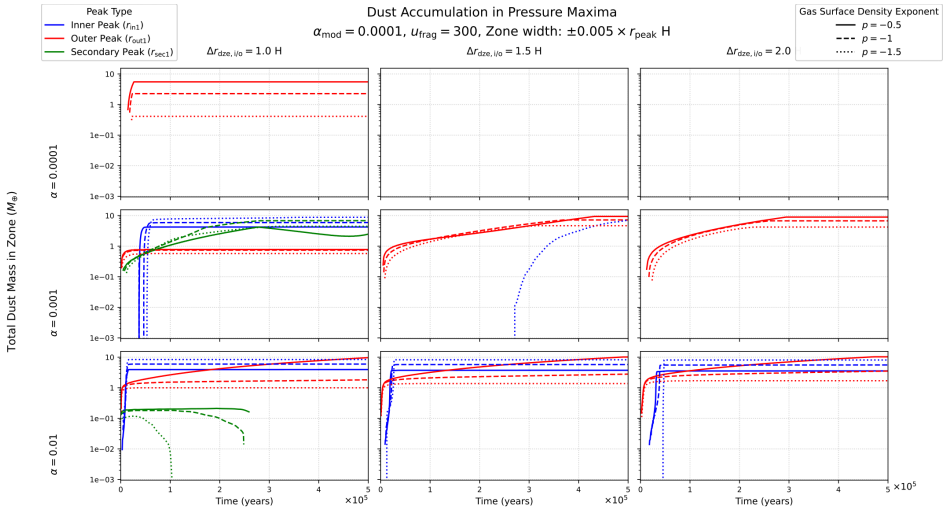

Fig. S3/2 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.0001$, $u_{\mathrm{frag}} = 300\,cm/s$.

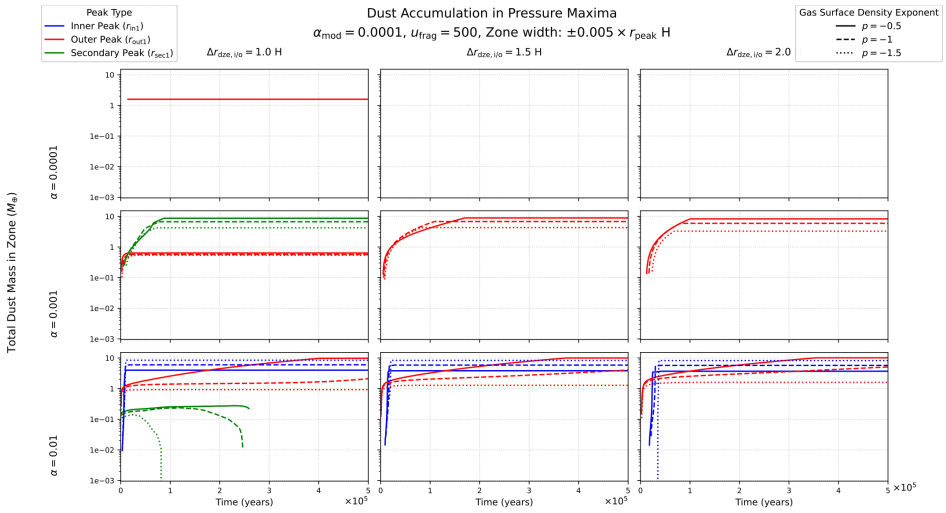

Fig. S3/3 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.001$, $u_{\mathrm{frag}} = 500\,cm/s$.

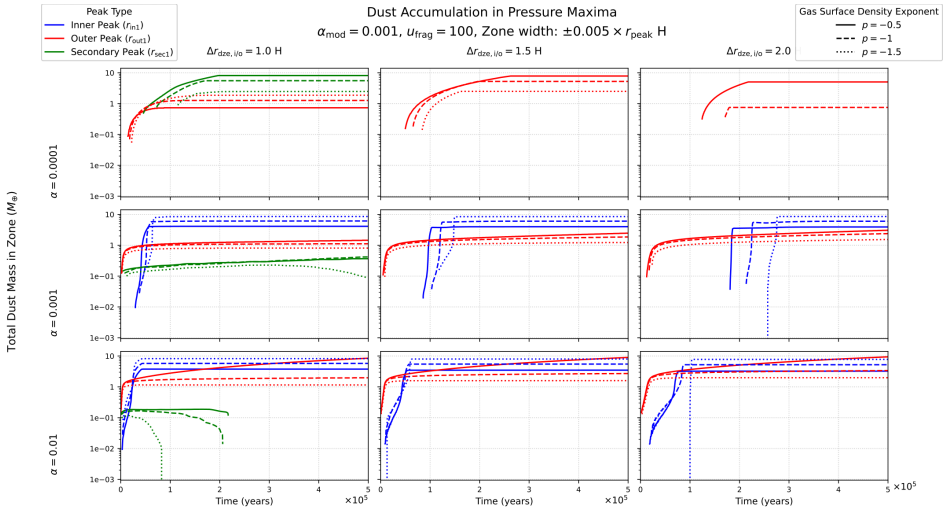

Fig. S3/4 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.001$, $u_{\mathrm{frag}} = 100\,cm/s$.

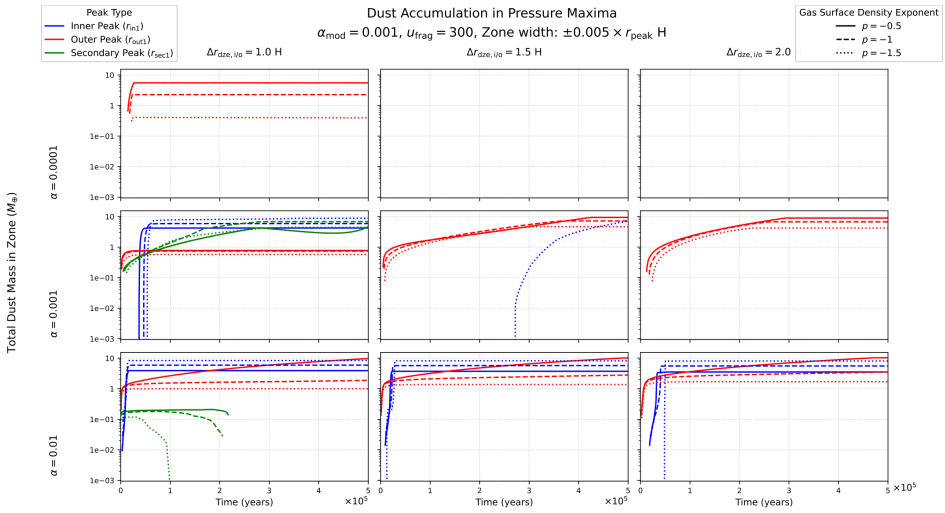

Fig. S3/5 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.001$, $u_{\mathrm{frag}} = 300\,cm/s$.

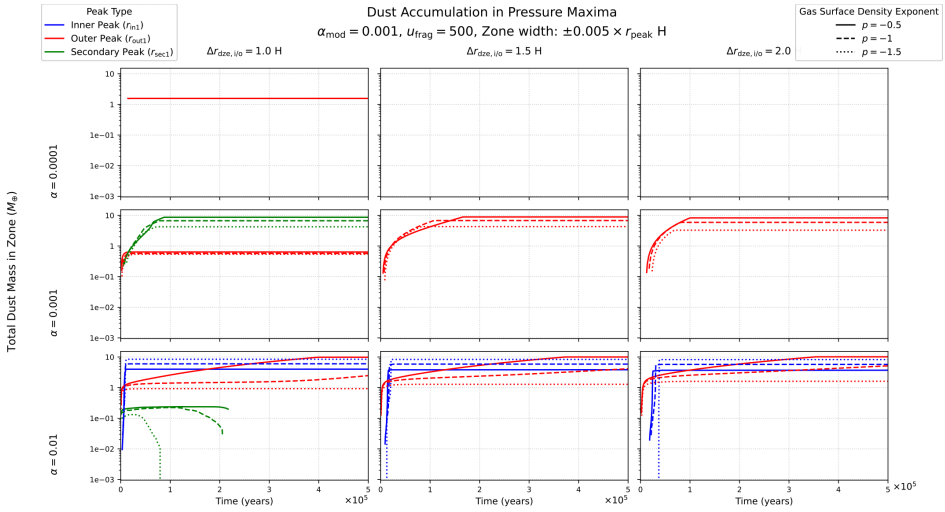

Fig. S3/6 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.001$, $u_{\mathrm{frag}} = 500\,cm/s$.

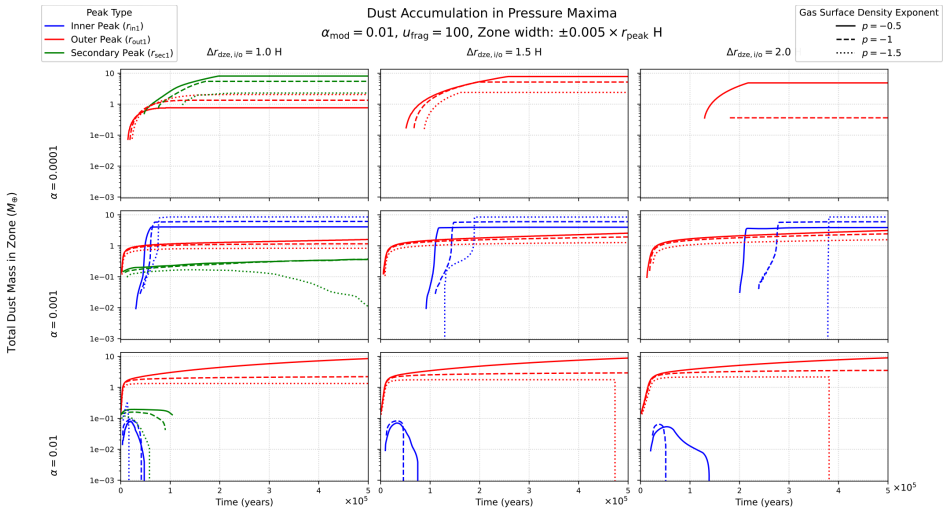

Fig. S3/7 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.01$, $u_{\mathrm{frag}} = 100\,cm/s$.

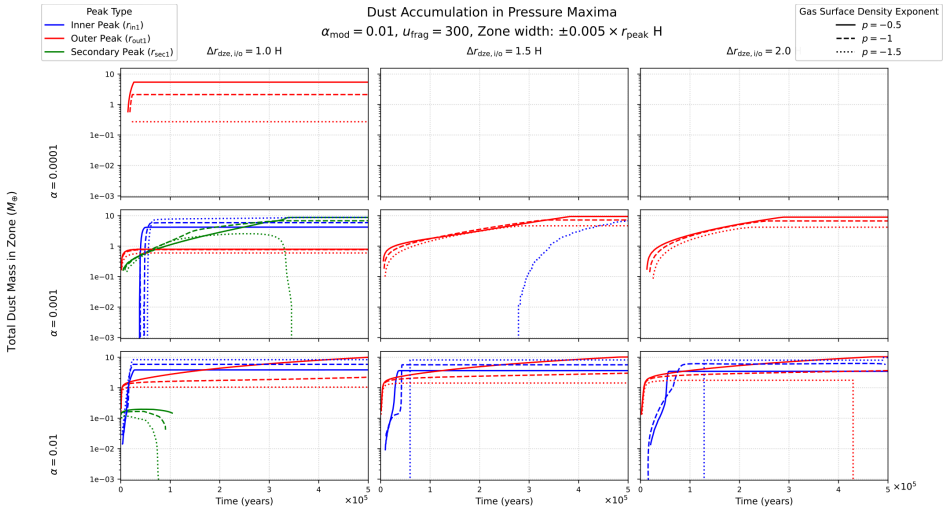

Fig. S3/8 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.01$, $u_{\mathrm{frag}} = 300\,cm/s$.

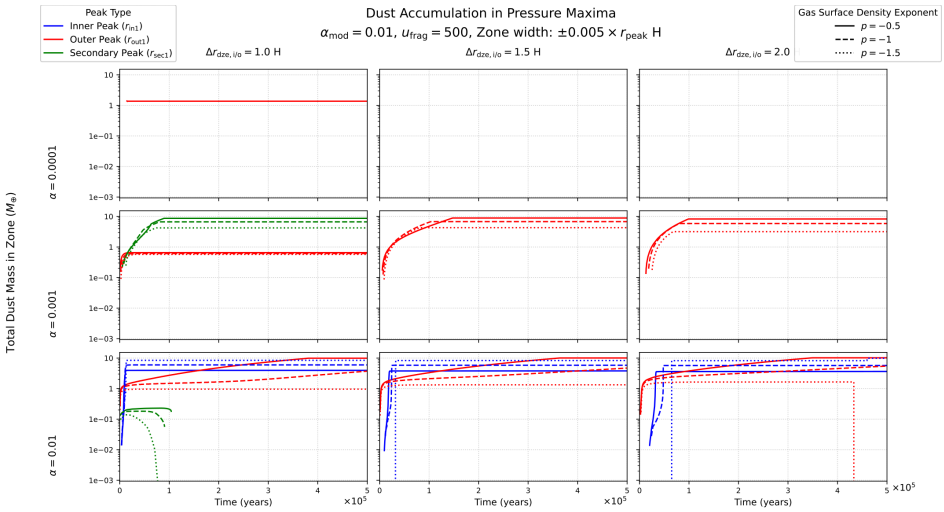

Fig. S3/9 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.01$, $u_{\mathrm{frag}} = 500\,cm/s$.