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

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2 Supplementary Online Material for the Individual Dust Particle Trajectories

Figures **??**

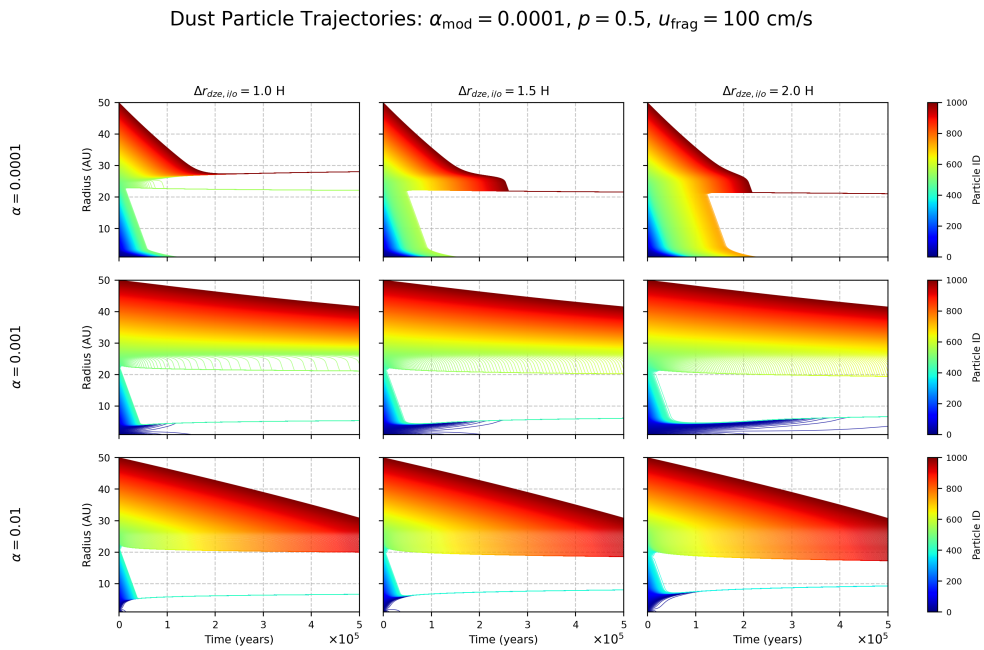


Fig. S2/1 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.0001$, $u_{\mathrm{frag}} = 100\,cm/s$, $p = 0.5$.

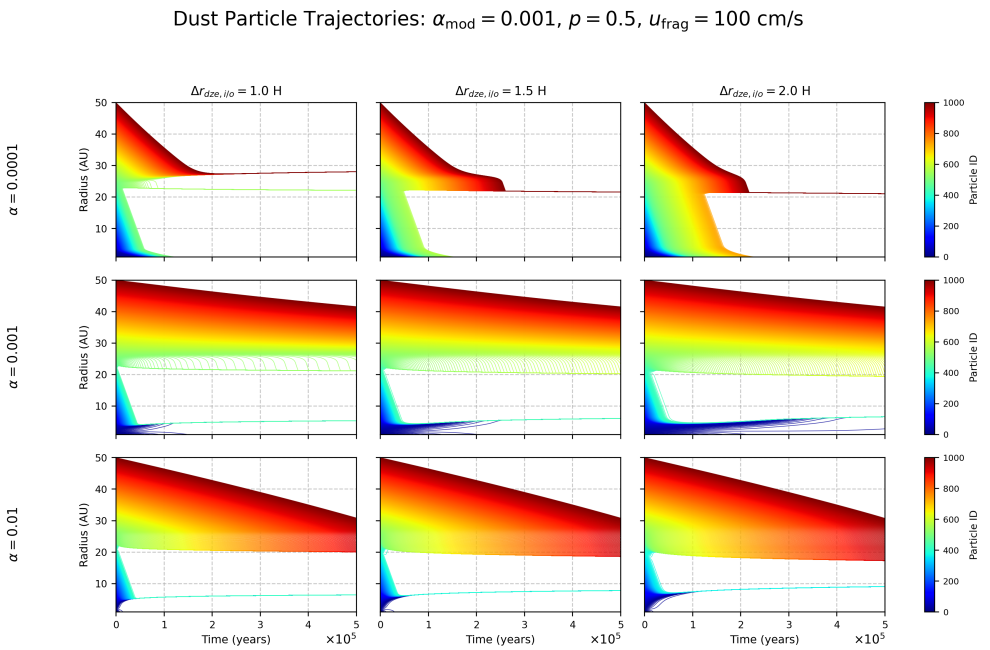


Fig. S2/2 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.001$, $u_{\mathrm{frag}} = 100\,cm/s$, $p = 0.5$.

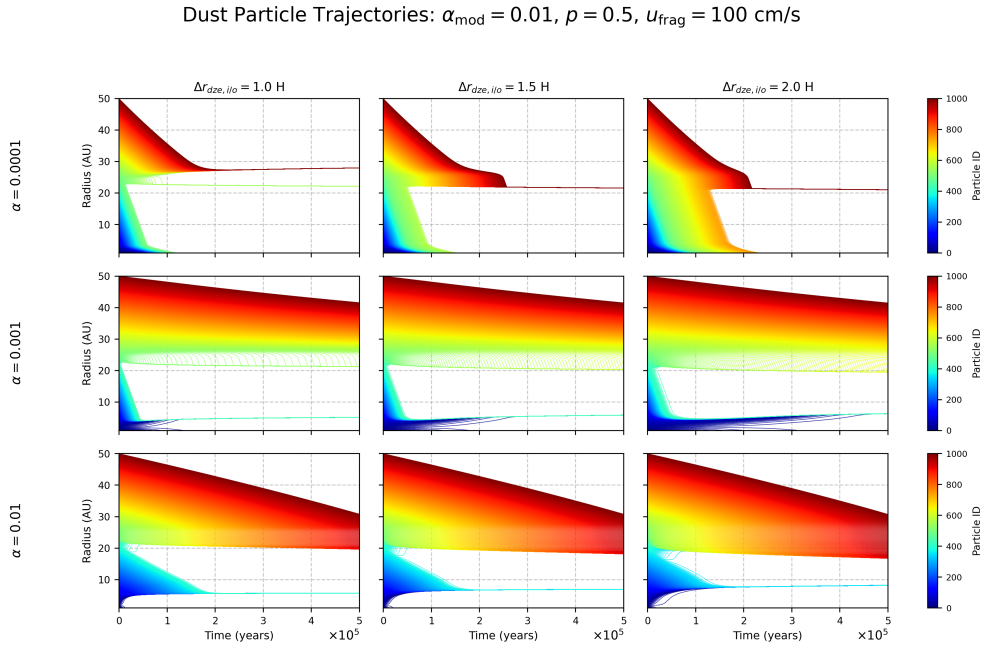


Fig. S2/3 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.01$, $u_{\mathrm{frag}} = 100\,cm/s$, $p = 0.5$.

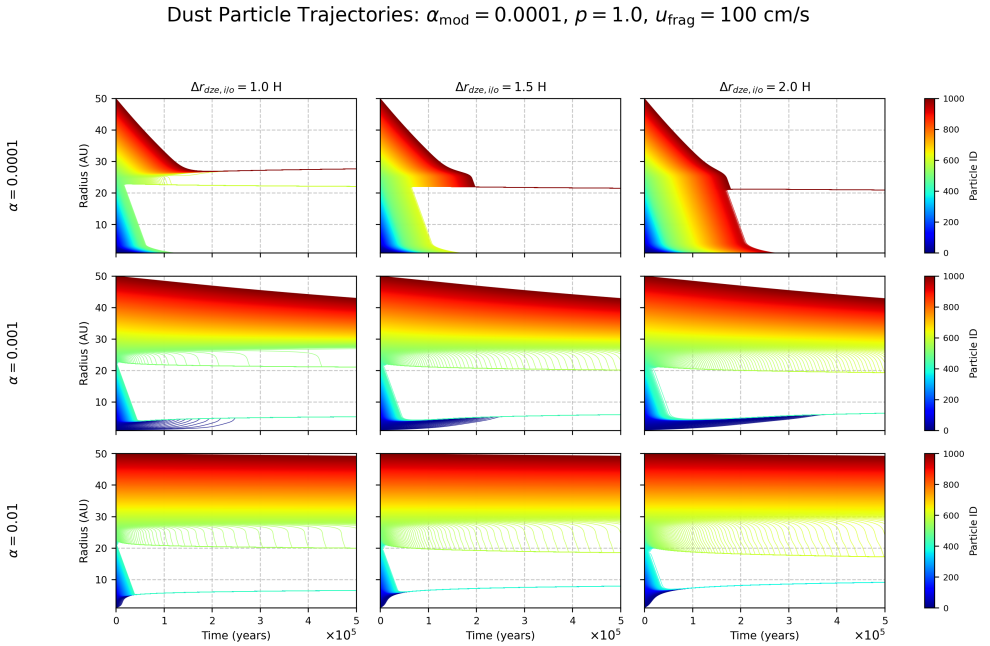


Fig. S2/4 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.0001$, $u_{\mathrm{frag}} = 300\,cm/s$, $p = 0.5$.

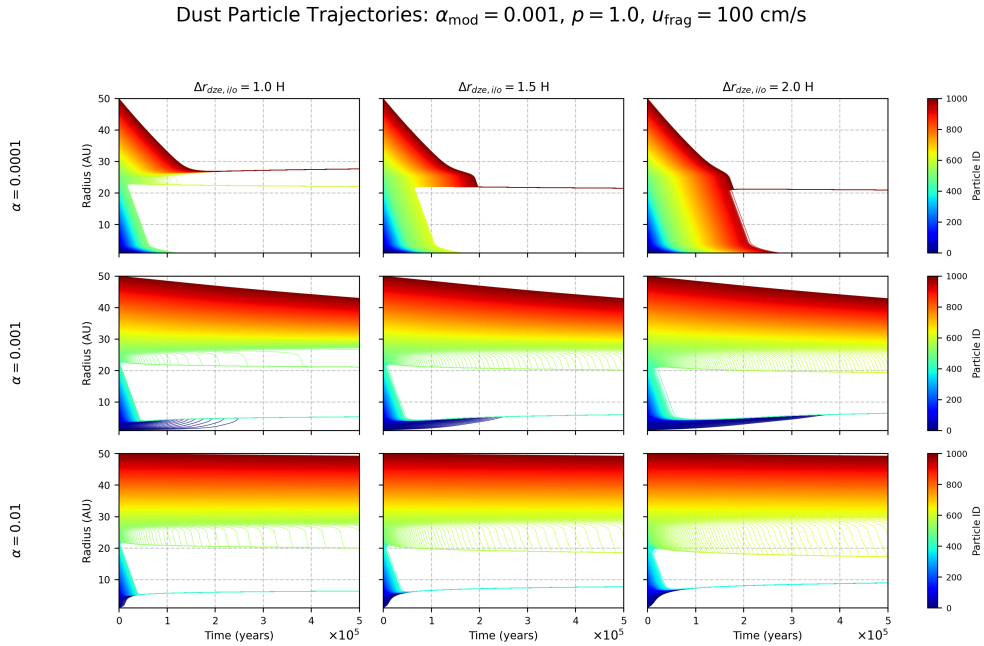


Fig. S2/5 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.001$, $u_{\mathrm{frag}} = 300\,cm/s$, $p = 0.5$.

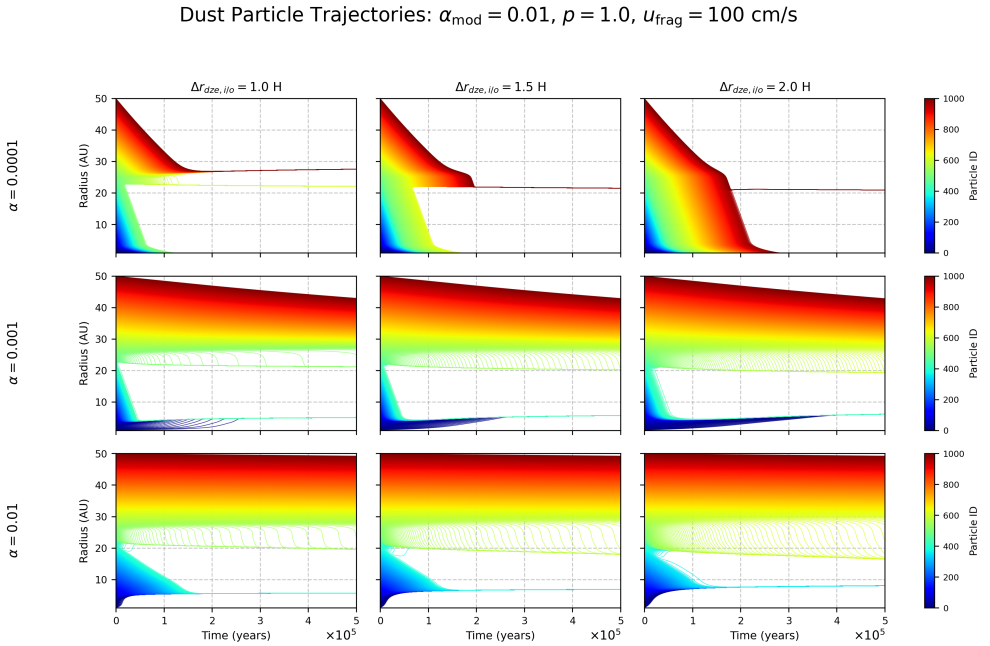


Fig. S2/6 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.01$, $u_{\mathrm{frag}} = 300\,cm/s$, $p = 0.5$.

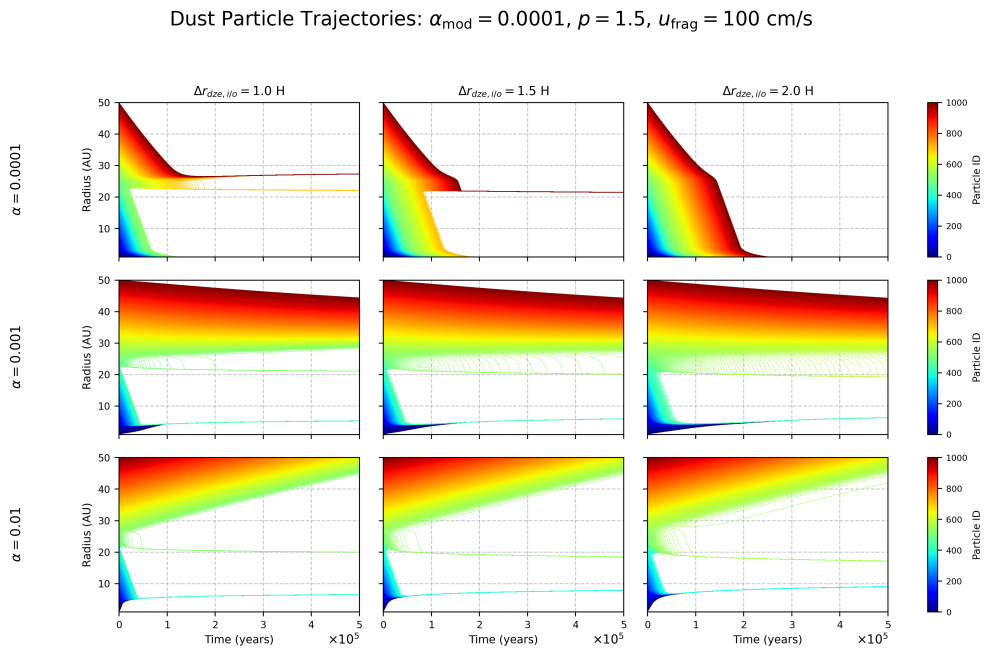


Fig. S2/7 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.0001$, $u_{\mathrm{frag}} = 500\,cm/s$, $p = 0.5$.

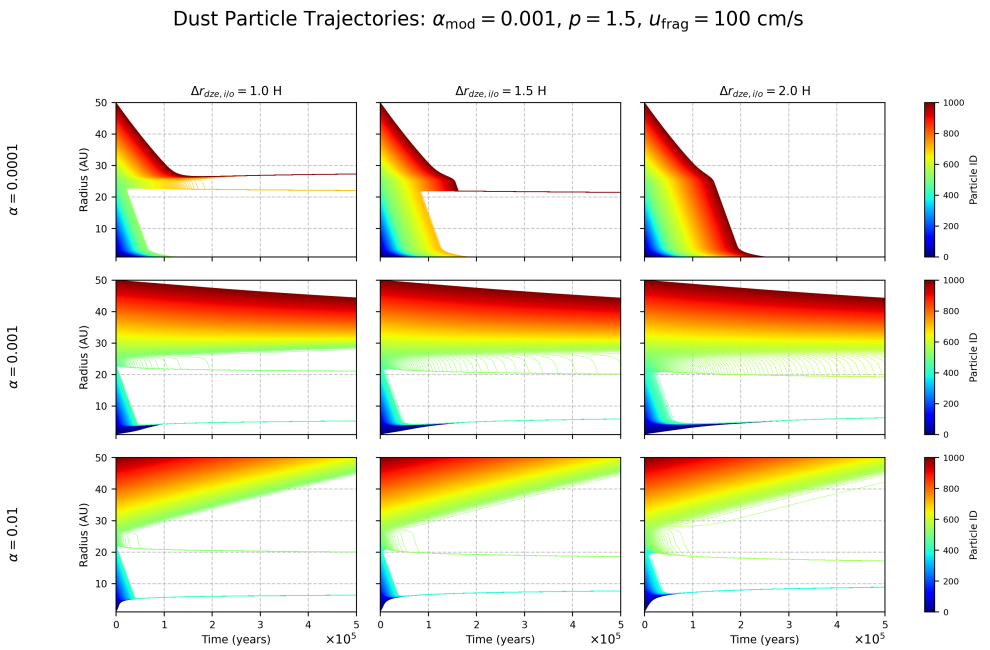


Fig. S2/8 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.001$, $u_{\mathrm{frag}} = 500\,cm/s$, $p = 0.5$.

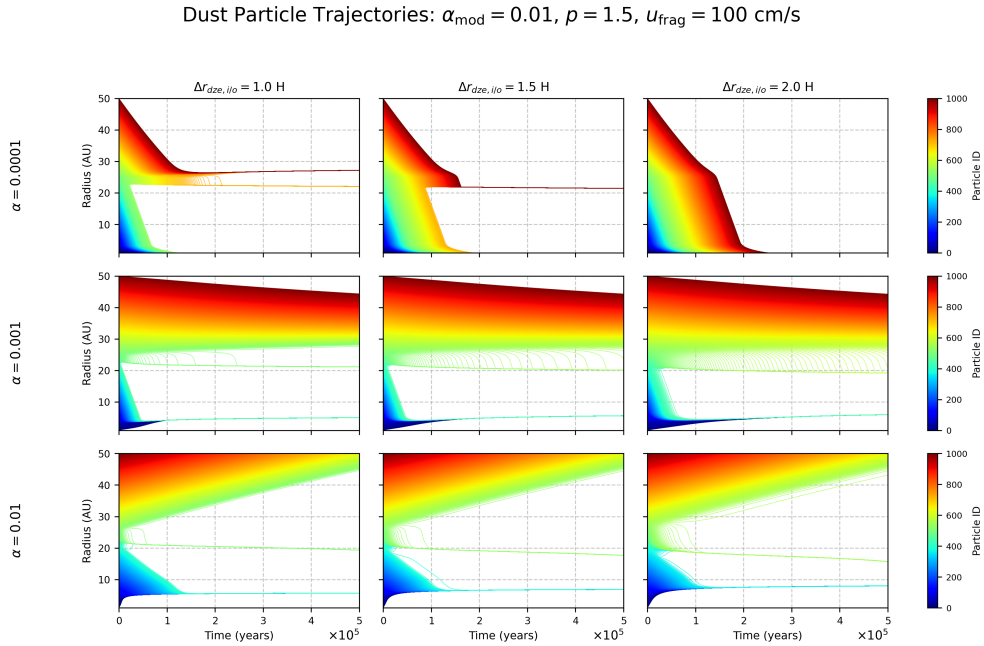


Fig. S2/9 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.01$, $u_{\mathrm{frag}} = 500\,cm/s$, $p = 0.5$.

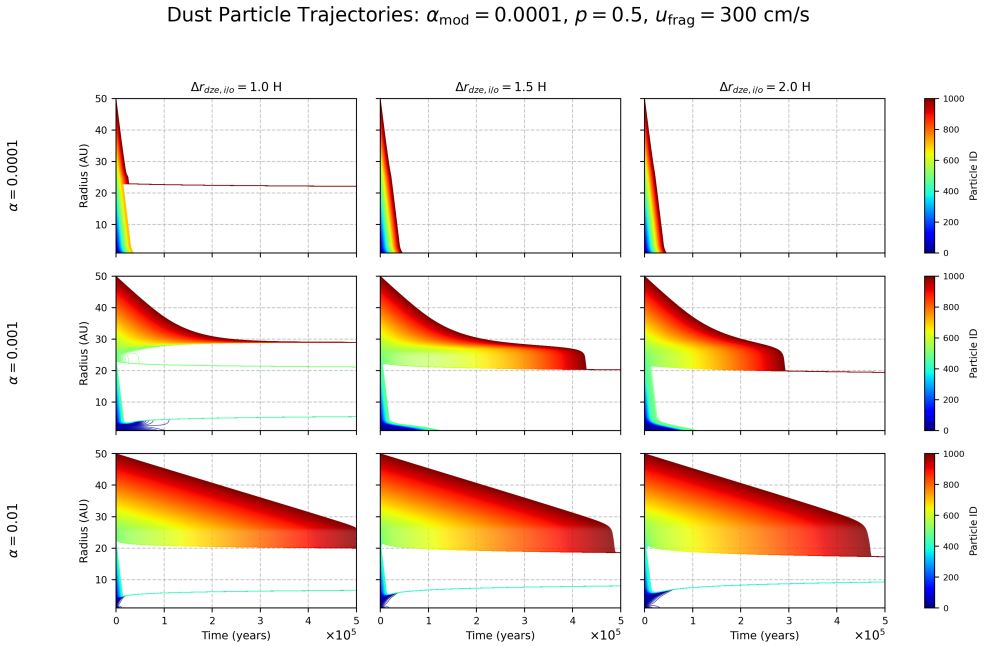


Fig. S2/10 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.0001$, $u_{\mathrm{frag}} = 100\,cm/s$, $p = 1.0$.

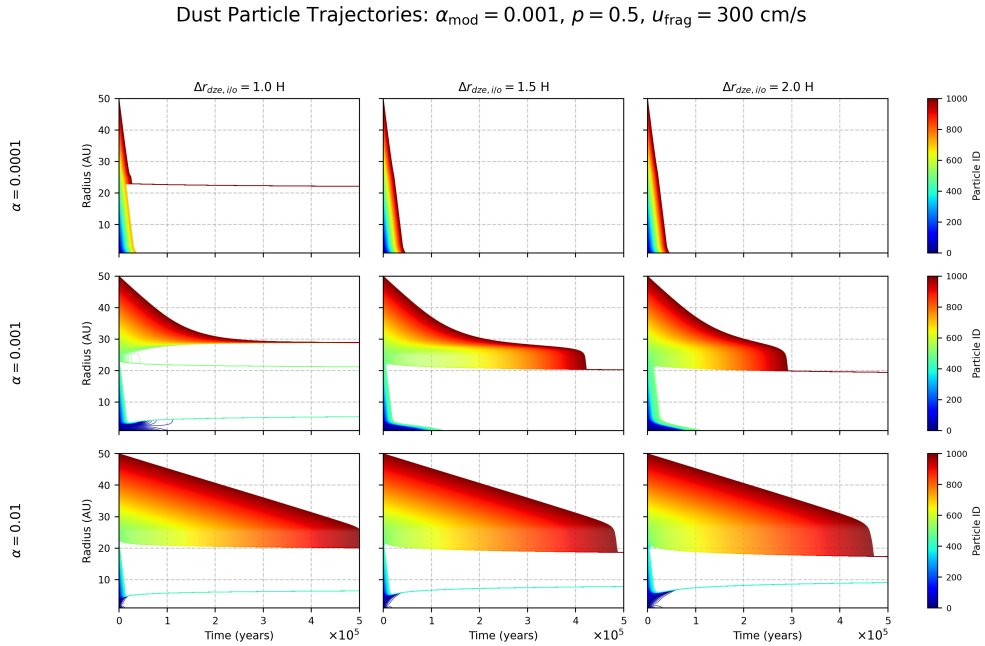


Fig. S2/11 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.001$, $u_{\mathrm{frag}} = 100\,cm/s$, $p = 1.0$.

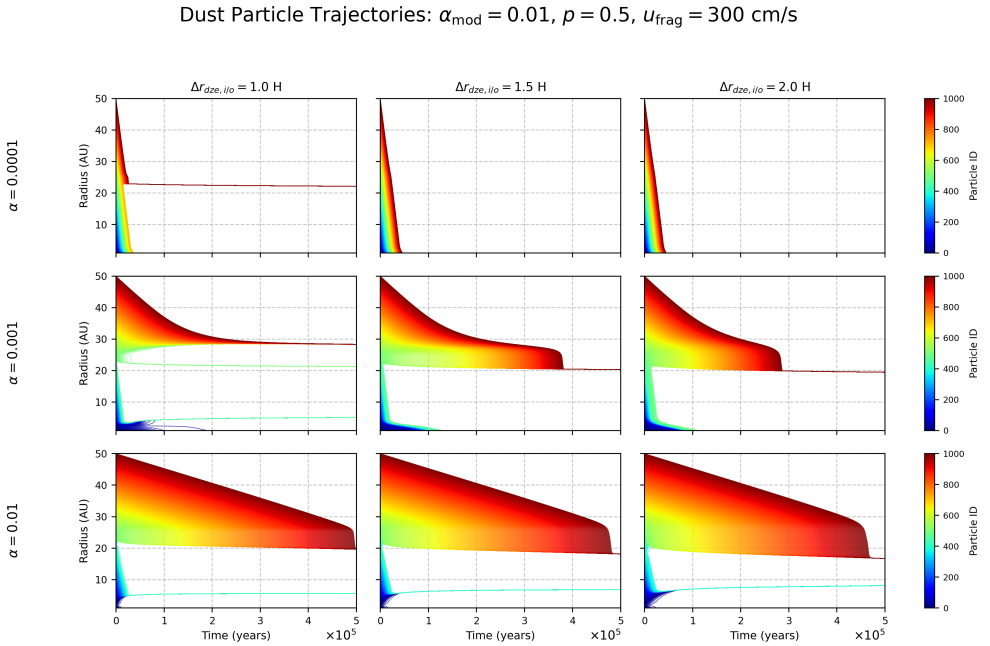
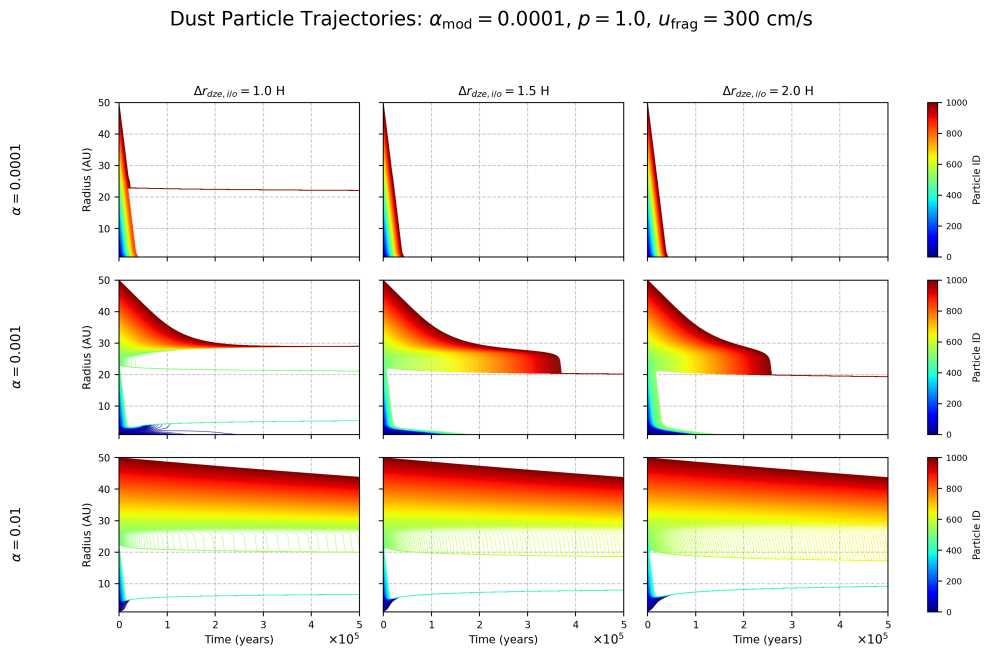


Fig. S2/12 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.01$, $u_{\mathrm{frag}} = 100\,cm/s$, $p = 1.0$.



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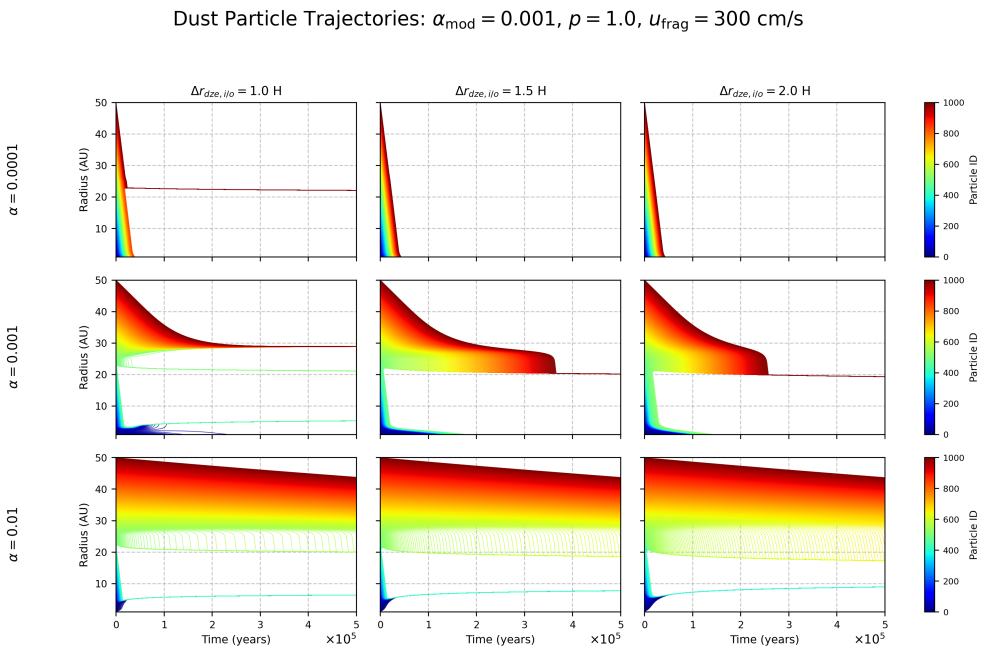

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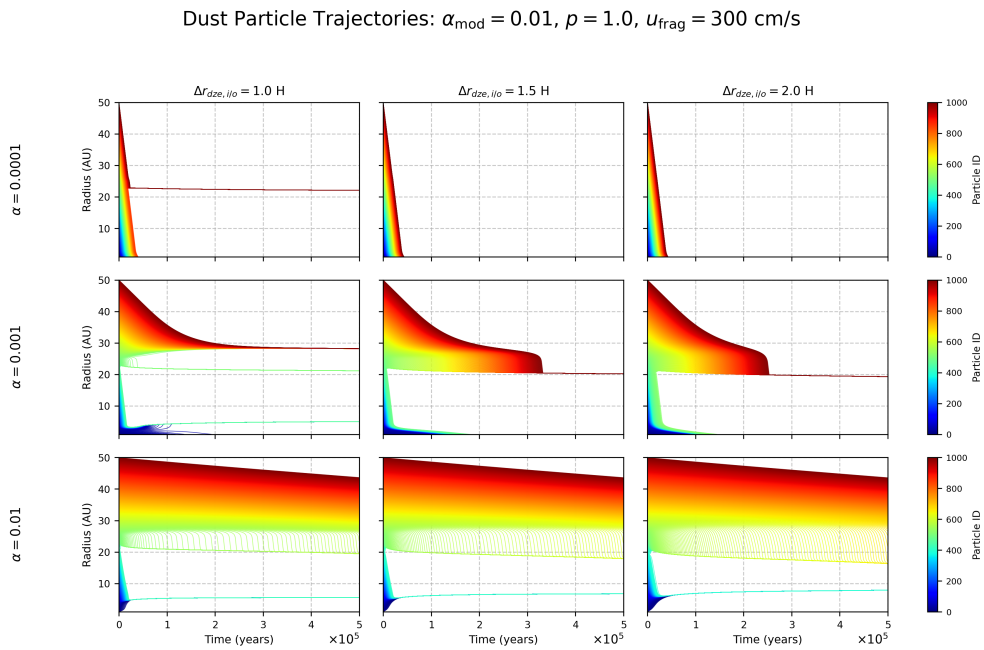
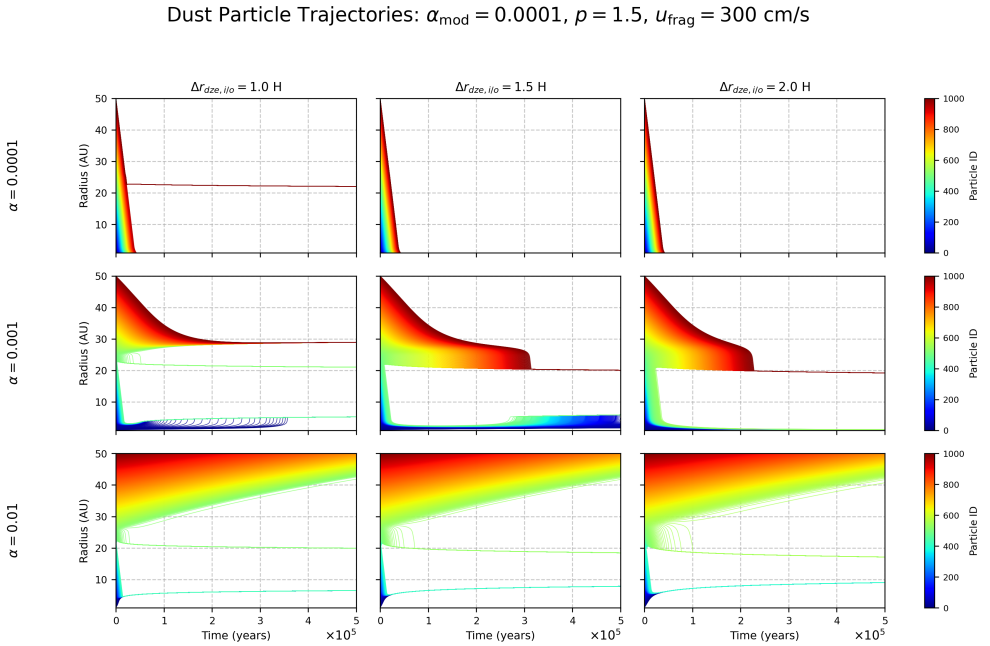


Fig. S2/15 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.01$, $u_{\mathrm{frag}} = 300\,cm/s$, $p = 1.0$.



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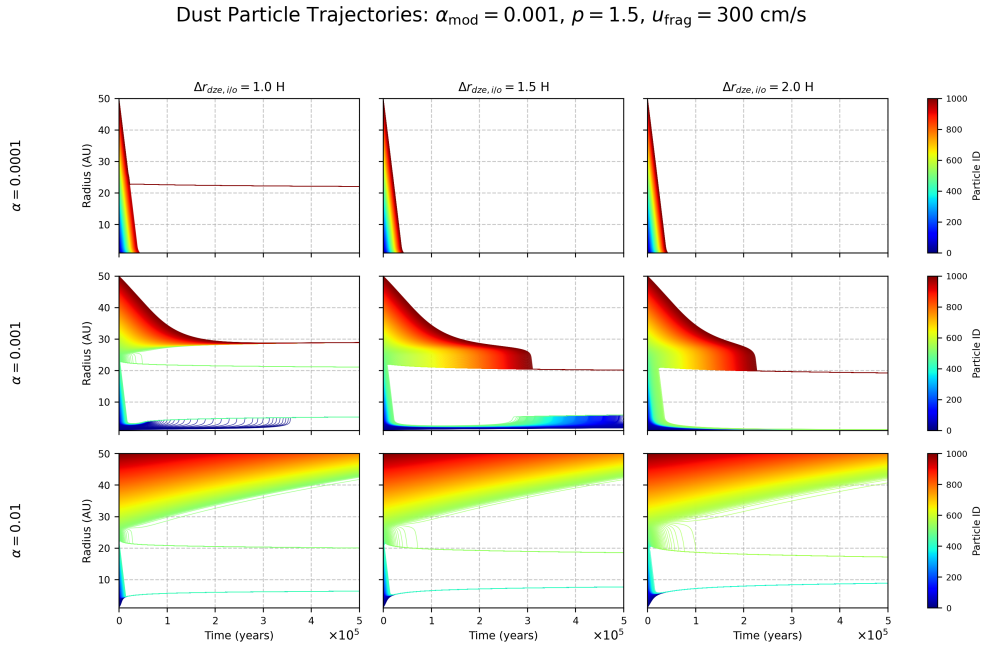

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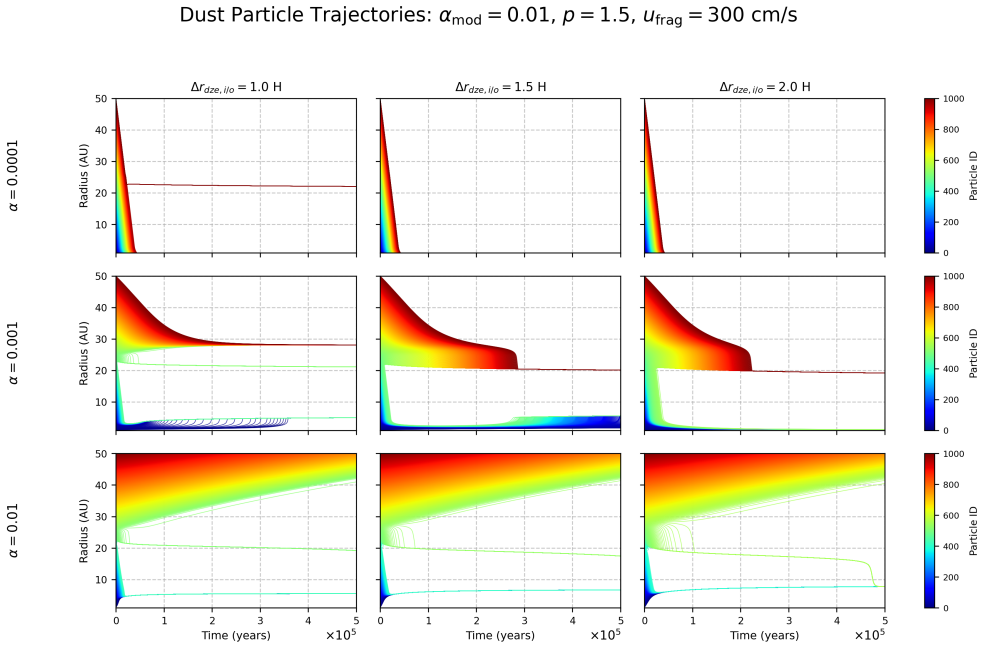

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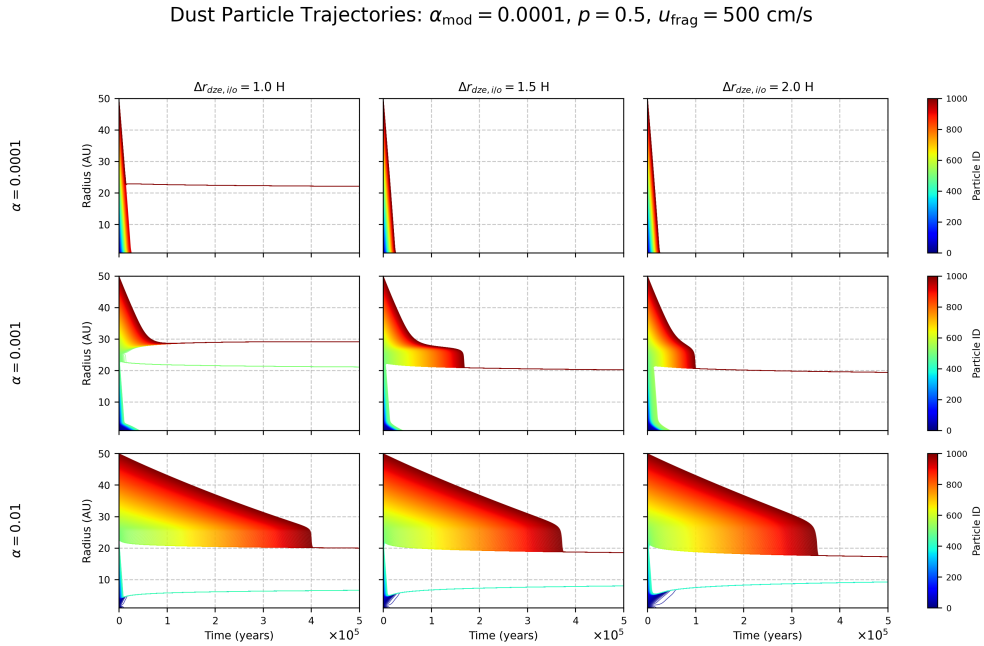

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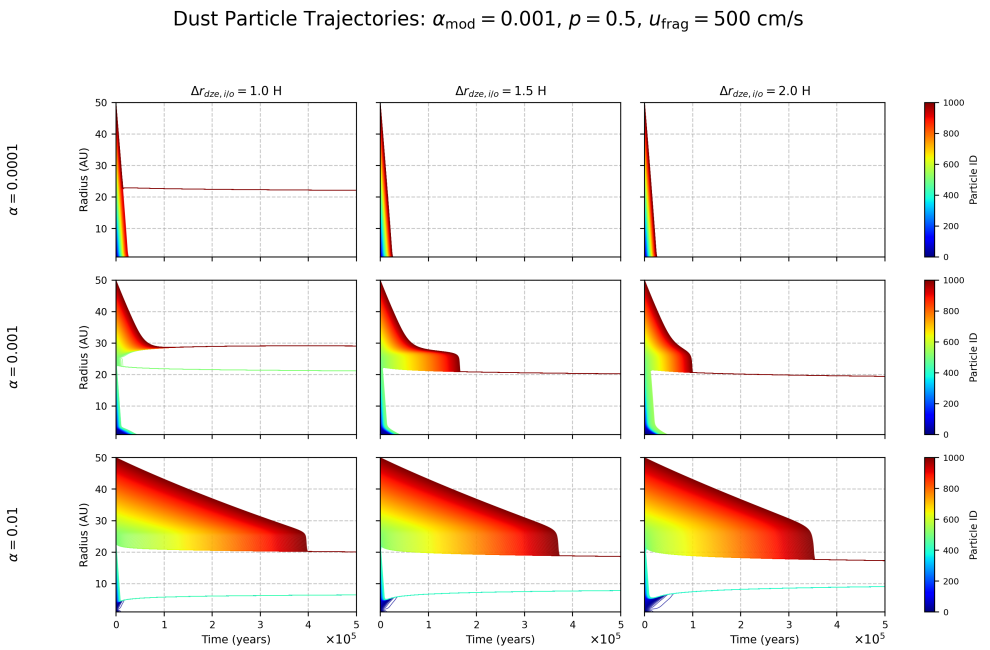

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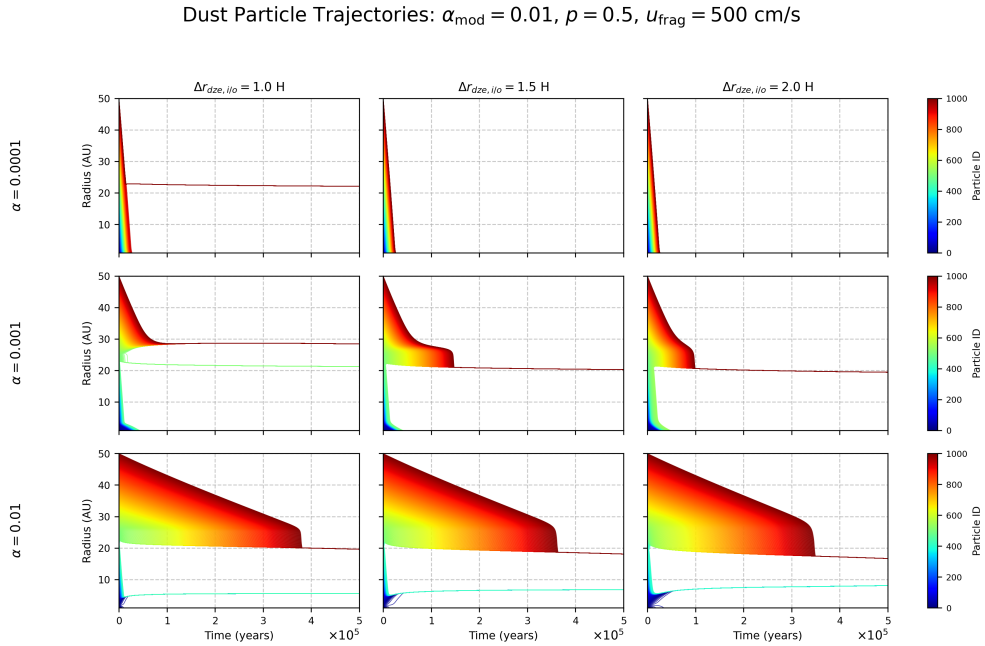

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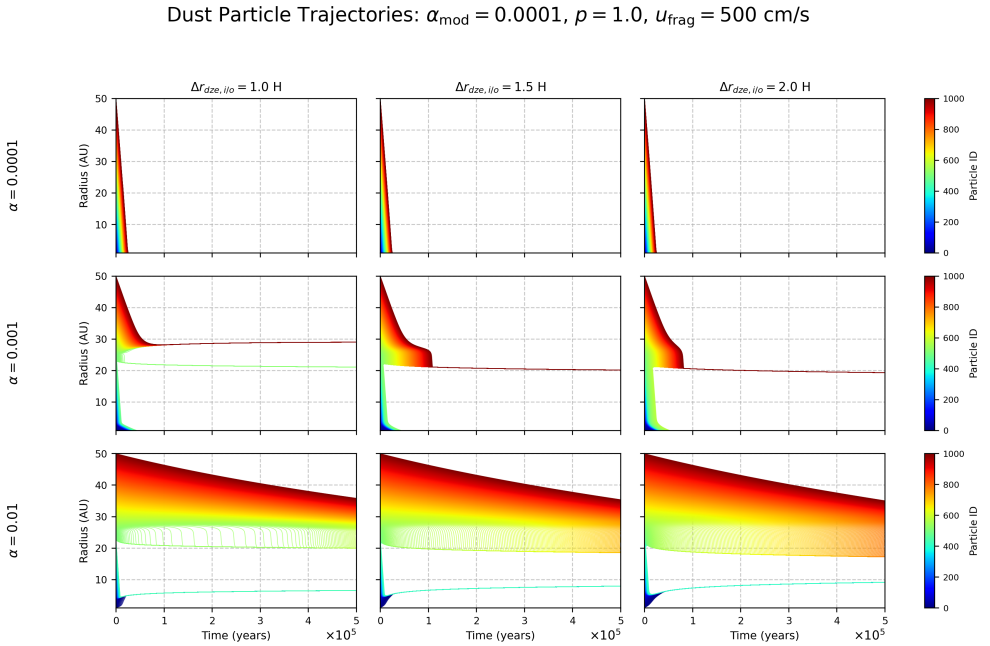

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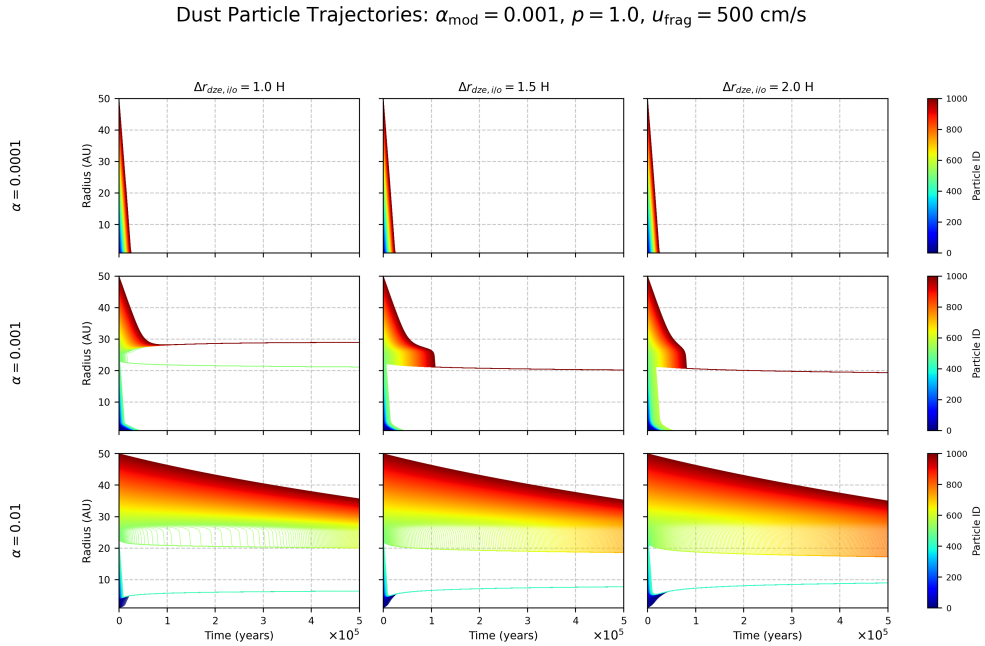

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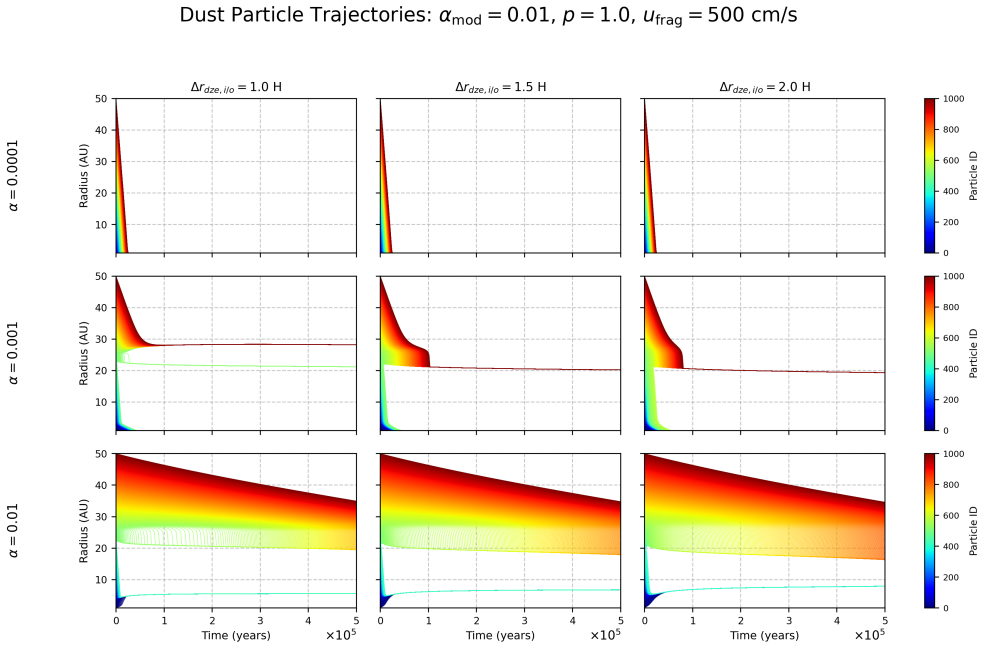
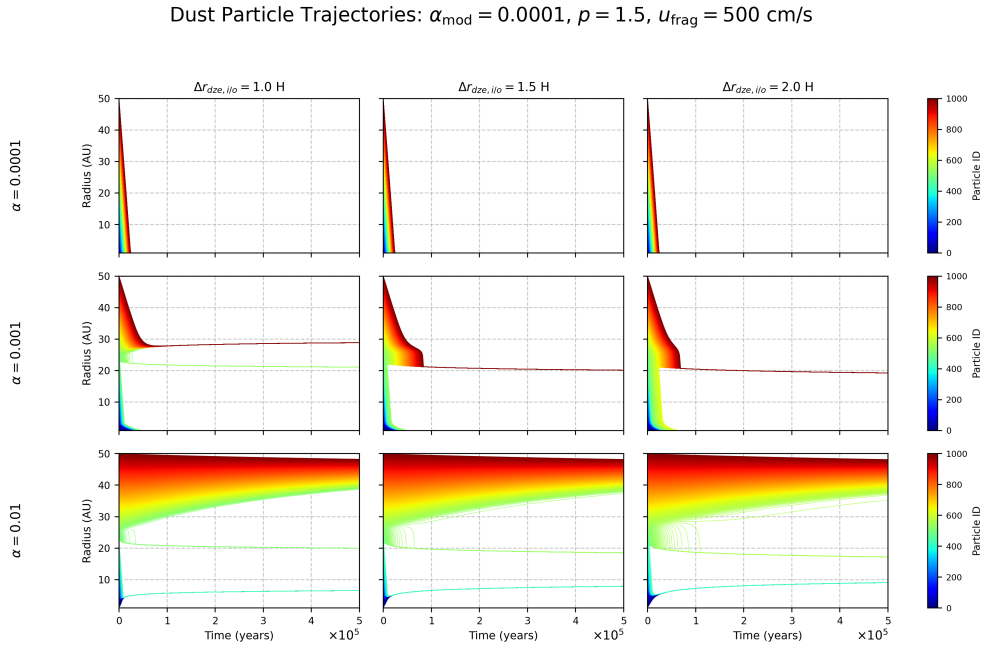


Fig. S2/24 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.01$, $u_{\mathrm{frag}} = 300\,cm/s$, $p = 1.5$.



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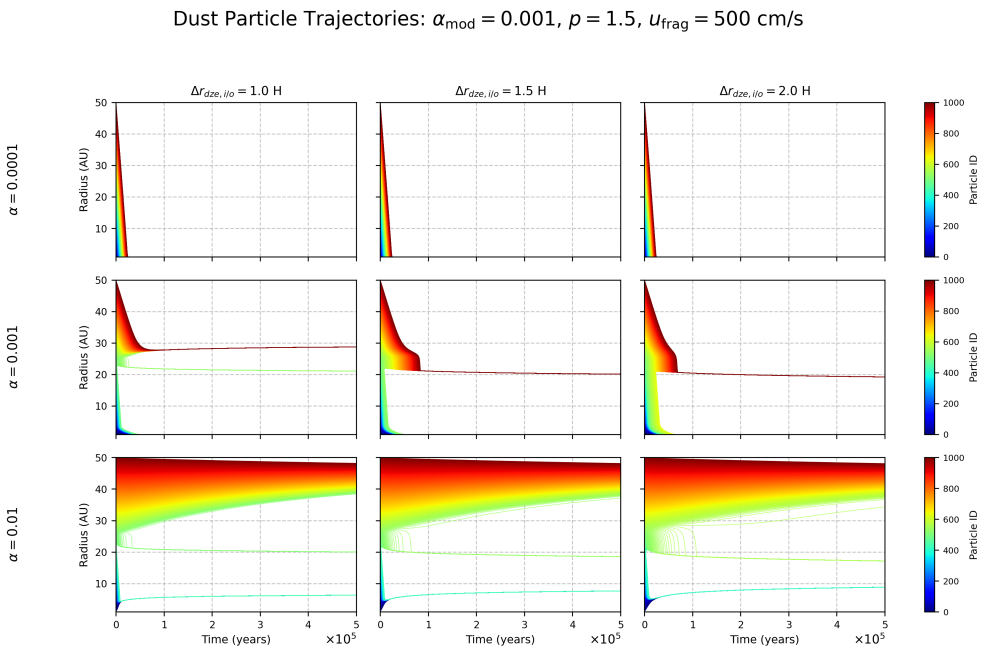

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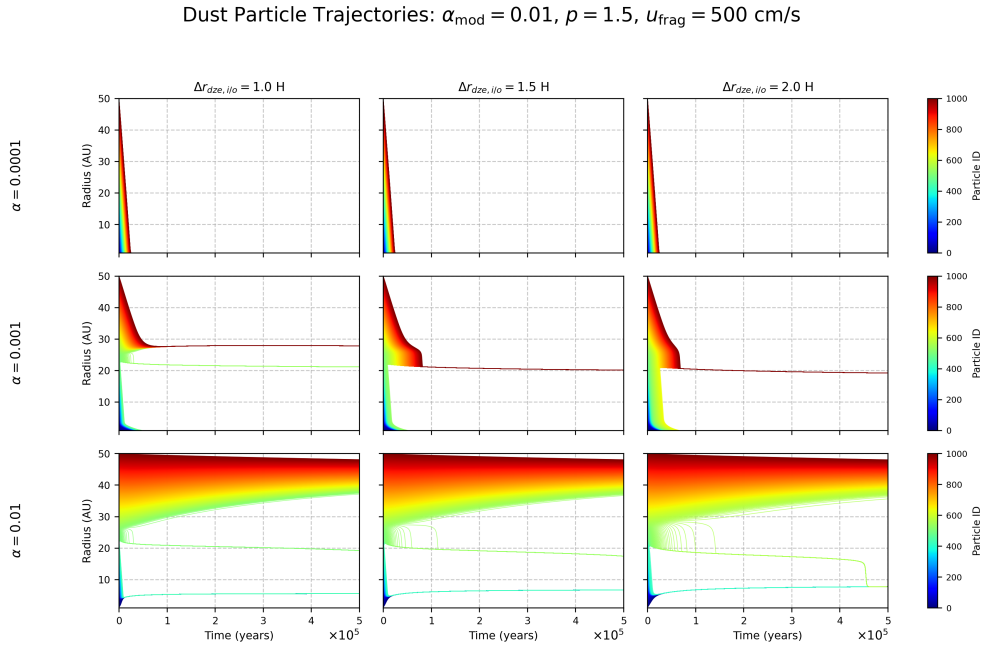

Fig. S2/27 Trajectories of individual dust particles for models $\alpha_{\mathrm{mod}} = 0.01$, $u_{\mathrm{frag}} = 500\,cm/s$, $p = 1.5$.