

Meteoric Ablation in Venus atmosphere: Mass, Speed and Temperature Variation

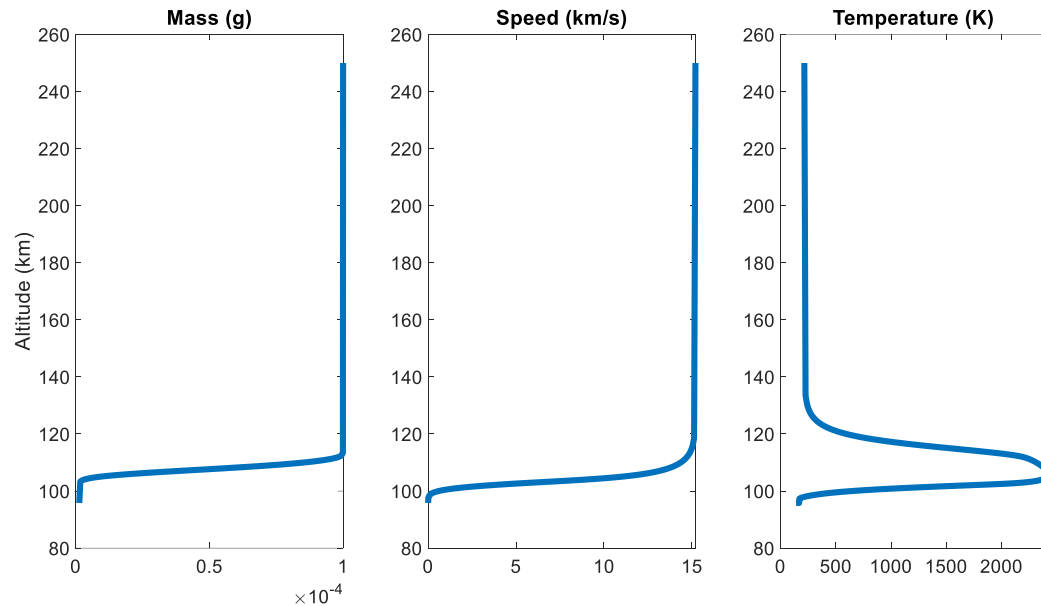


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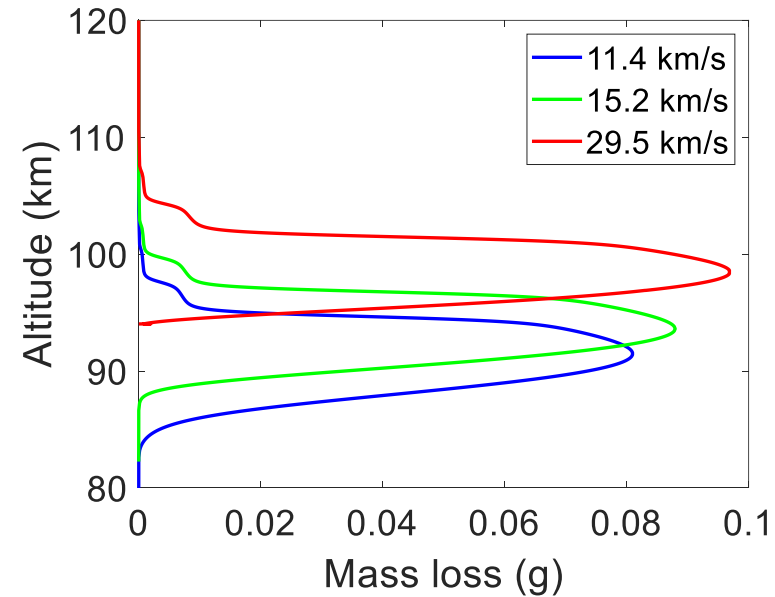
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Typical Profiles: 10^{-4} g



Total mass loss profile



Velocity [km/s]	Max. mass loss [g]	Altitude [km]	Max. Temp. [K]
11.4	0.0810	91.49	2914.3
15.2	0.0879	93.615	3008.2
29.5	0.0970	98.47	3205.4

- The effect of incoming particle speed on mass loss, peak altitude and temperature is observed
- Useful to derive the production rate of metallic ions and atoms in Venus atmosphere → atmospheric chemistry.