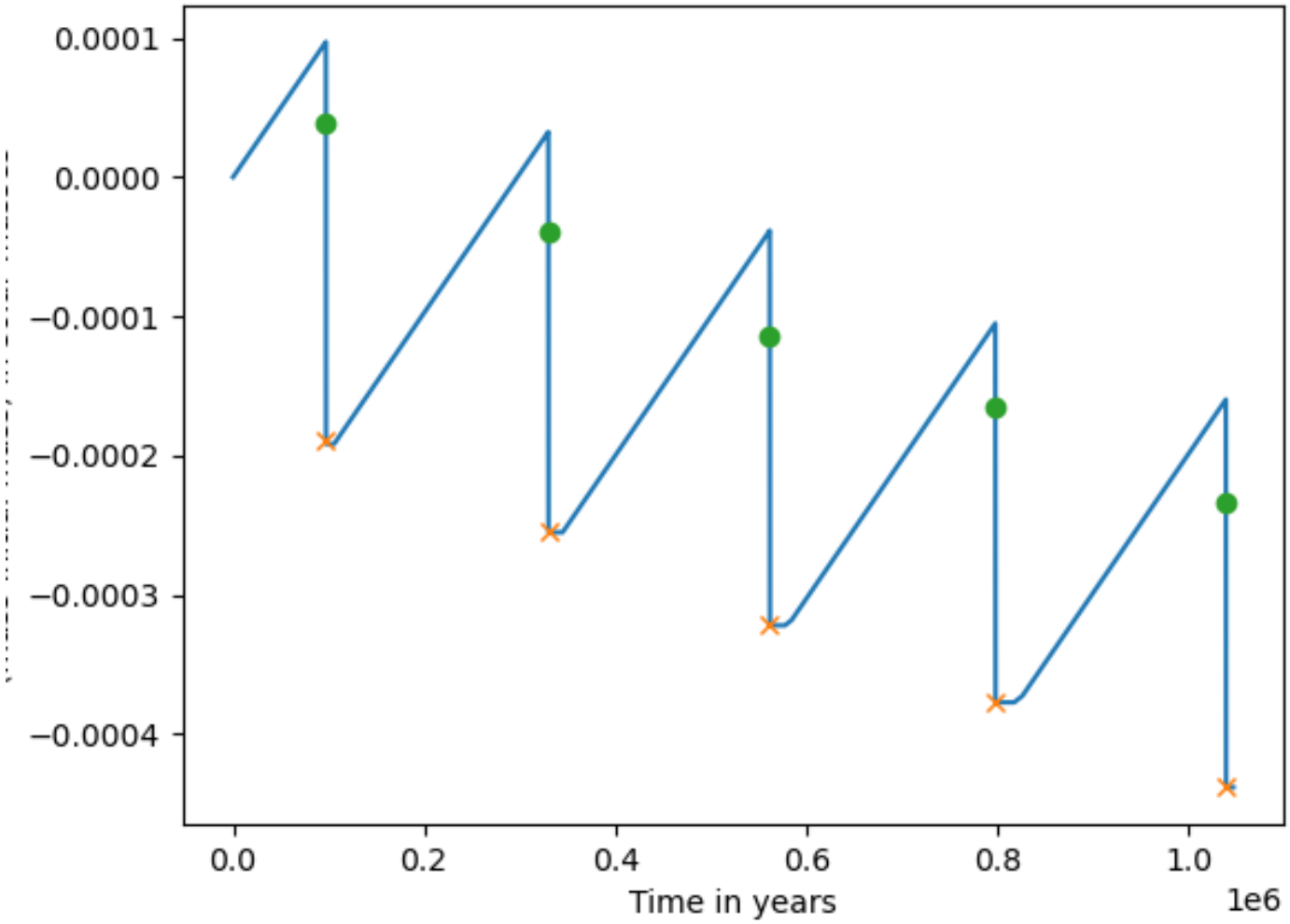

Figure: Mass of a 0.6 solar mass wd over five outburst with overshoot and diffusion and the old mass loss scheme.

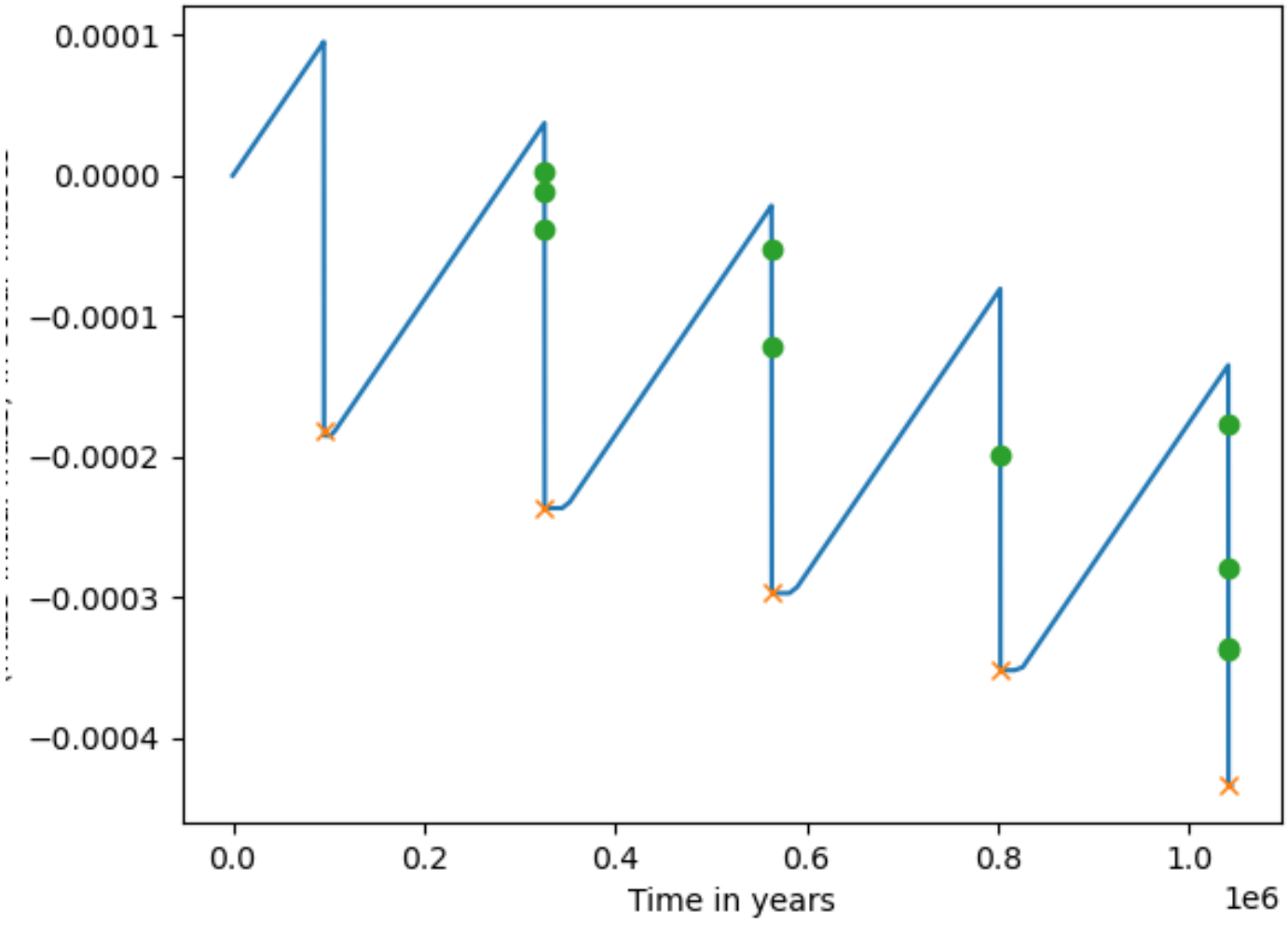

Figure: Mass of a 0.6 solar mass wd over five outburst with overshoot and diffusion and the new mass loss scheme. Because of larger variations in radius there are multiple green dots.

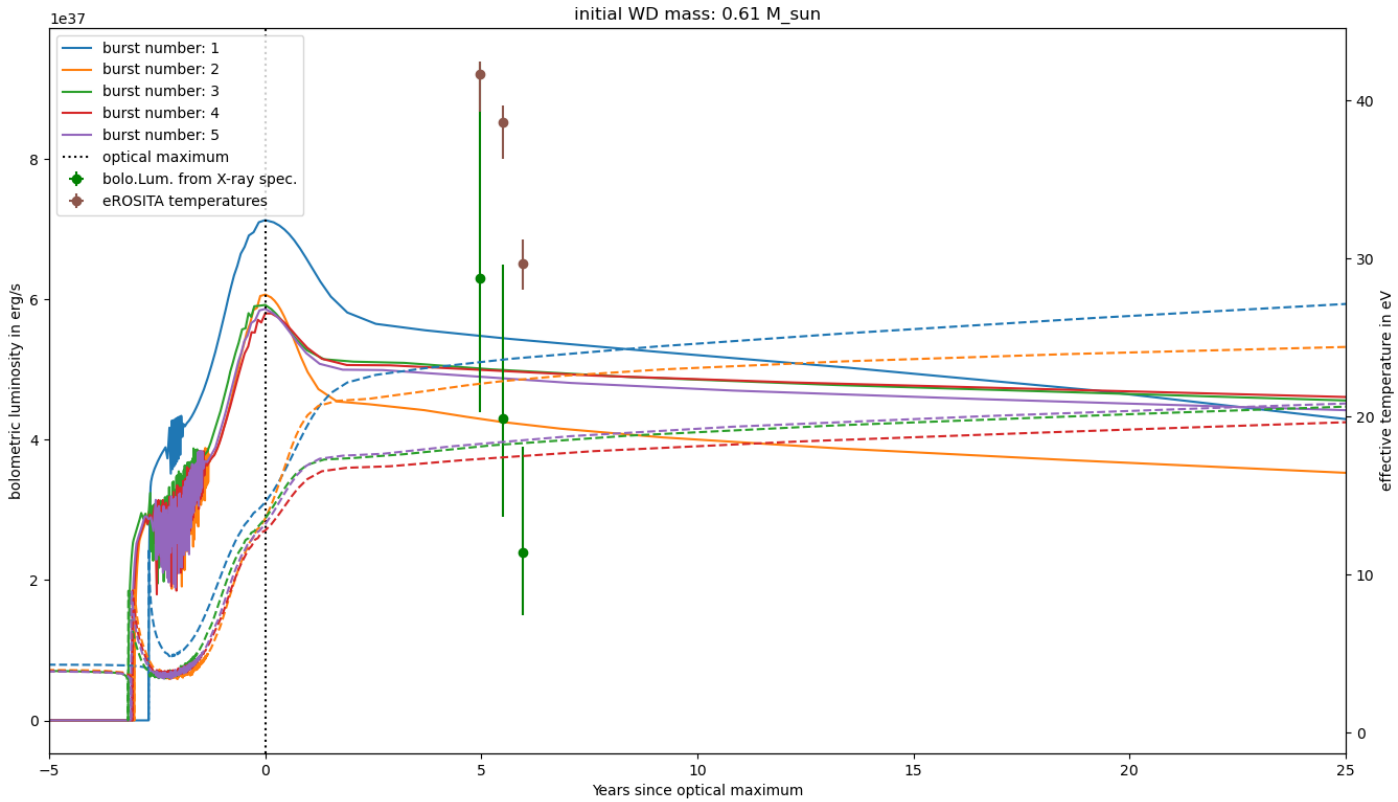

Figure: Lightcurves of the five outburst with the old mass loss scheme.

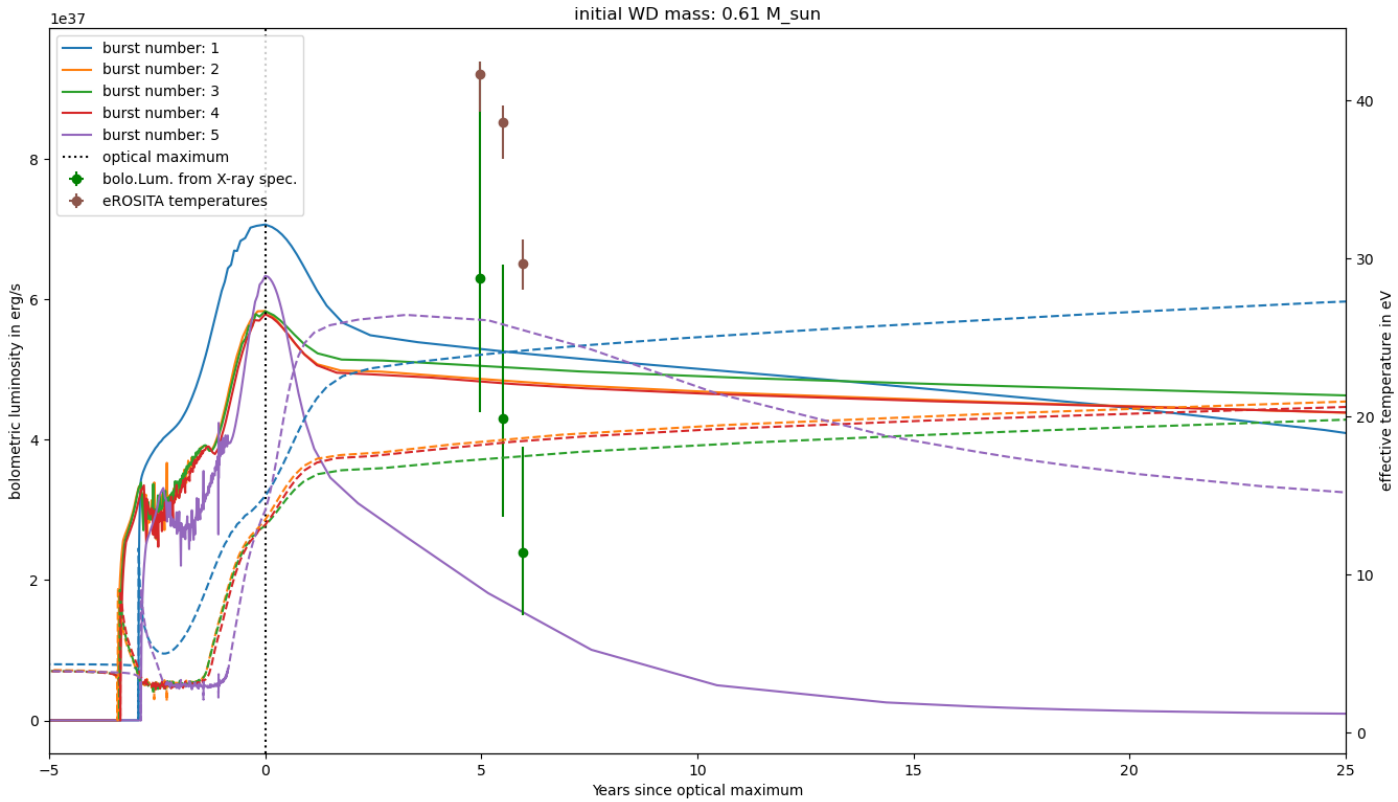

Figure: Lightcurves of the five outburst with the new mass loss scheme.

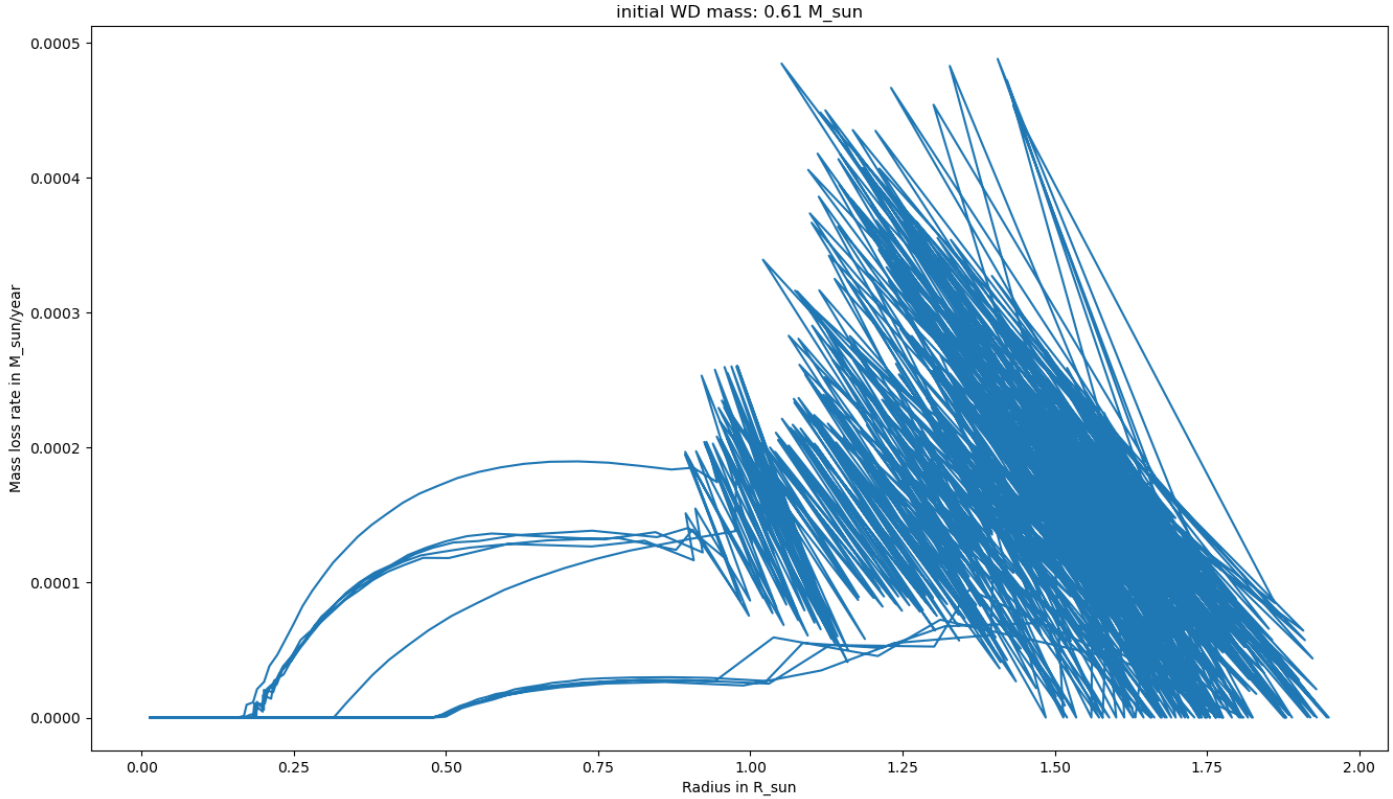

Figure: Mass loss as a function of radius in the old mass loss scheme.

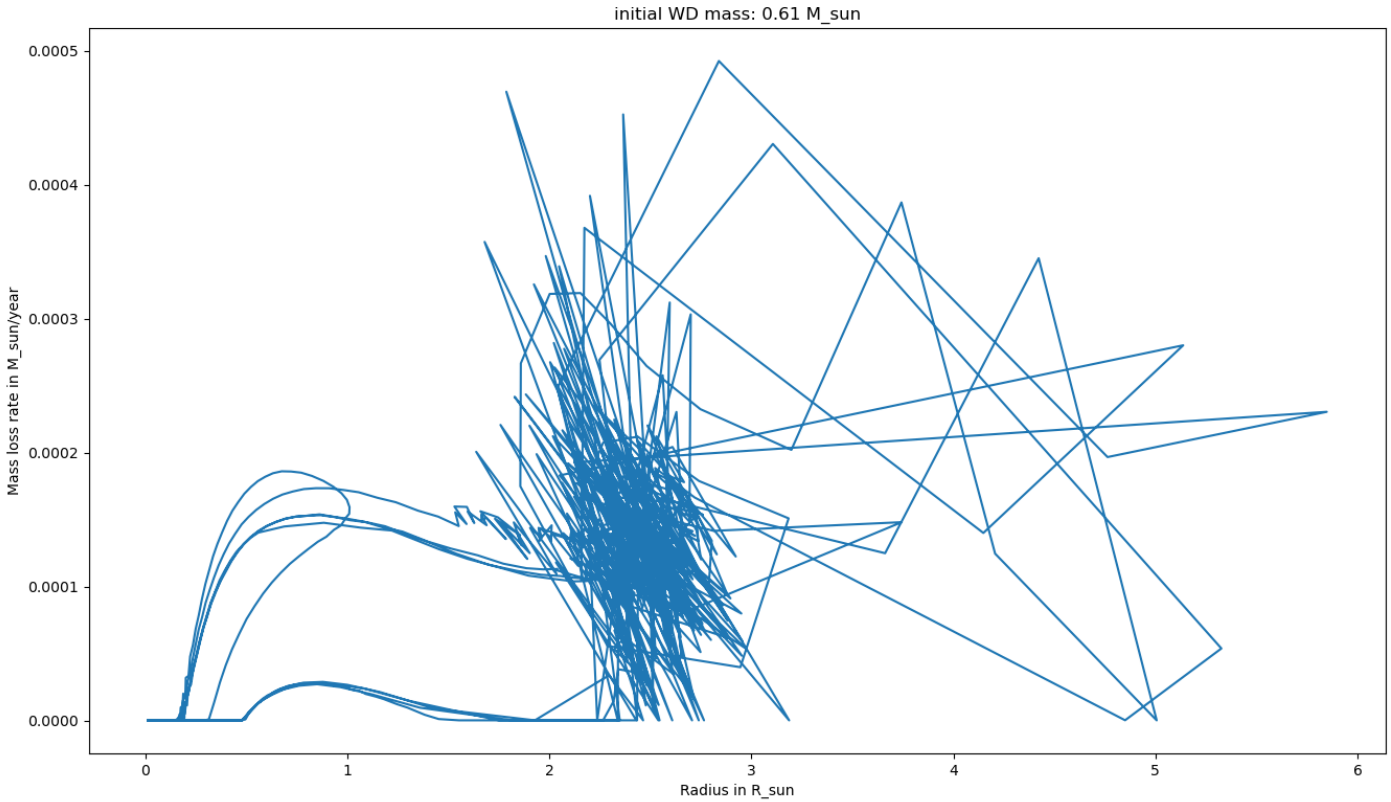

Figure: Mass loss as a function of radius in the new mass loss scheme.

- I have a working nova model including convective overshoot and diffusion at the same time now.
- I have also implemented a new and more physical mass loss scheme by calculating the luminosity from friction and using that to calculate the effective L/Ledd ratio.
- Higher time and spatial resolution seems neccessary for the new mass loss scheme, where the radius of the nova fluctuates wildly.