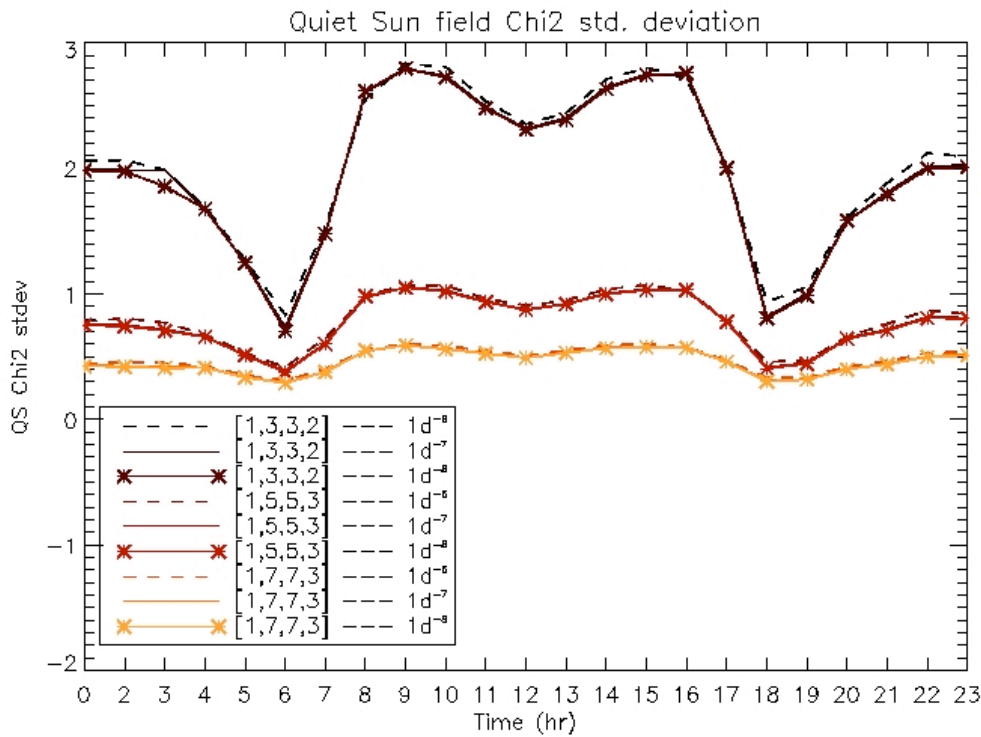
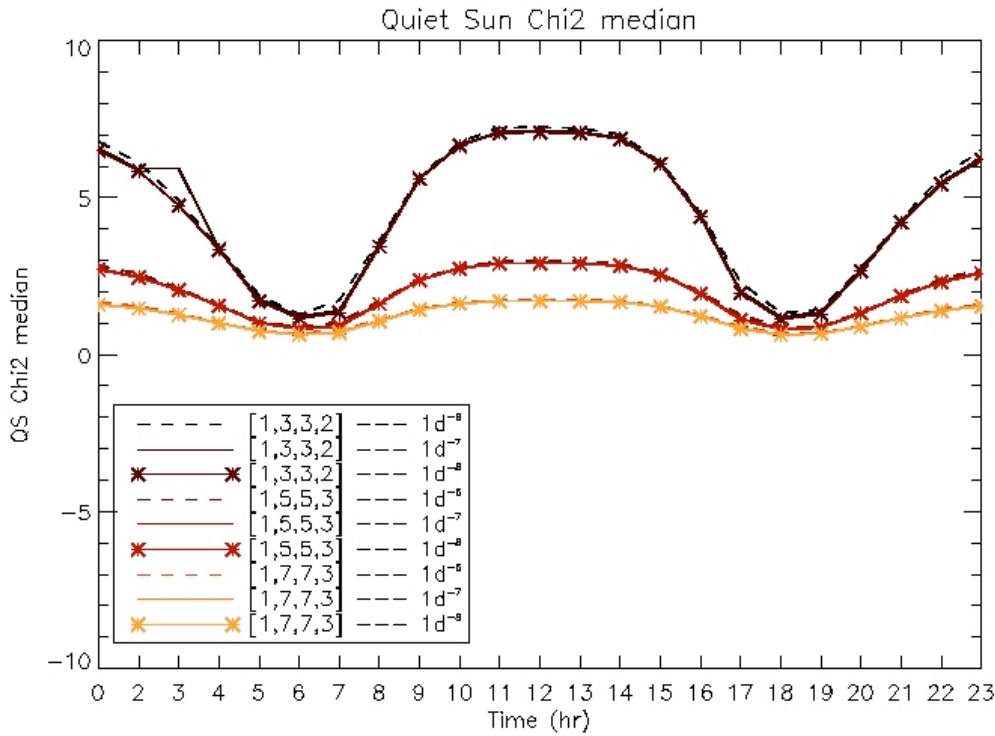


And the chi2:



Interesting how the chi2 median shows a very smooth evolution with time, mimicking the orbital speed.