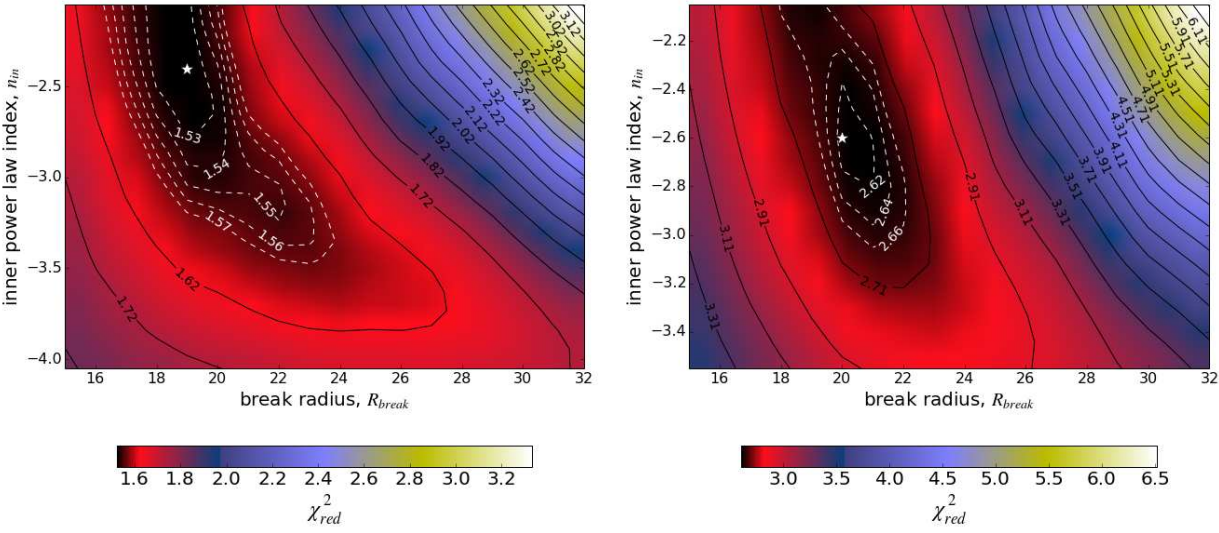

(a) $\chi^2_{\rm red}$ map for the filtered 0.2 mag binned data set.

(b) $\chi^2_{\rm red}$ map for the filtered 0.4 mag binned data set.