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The coronal electron density through starlight fading in Metis images

One of the main goals of Metis is the reconstruction of the coronal electron density via the analysis of polarisation induced by scattering on electrons. Orbiting the Sun, Metis also records the light of stars and planets behind the corona. We investigate the possibility to complement the aforementioned analysis by estimating the electron density on the bases of the stellar light traveling across the corona, faded by the Thomson scattering.

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