



Contribution ID: 14

Type: Oral

Intercomparison of the Metis/VL, LASCO-C2 and COR2-A coronagraphs

Friday, 26 January 2024 10:05 (15 minutes)

We present the comparison of the coronal visible light (VL) images obtained with the currently operating coronagraphs, such as Metis/Solar Orbiter, LASCO-C2/SOHO and COR2/STEREO-A. We compared the total (B) and polarized (pB) brightness data that was collected during various conjunctions and oppositions of these instruments in 2020-2023. Analyzing the latitudinal profiles of pB and B images obtained with each pair of coronagraphs, we found that they are in general highly correlated. As a result, we estimated additive and multiplicative scaling factors between these instruments.

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Session Classification: Session 7