

The authors have put considerable effort put into revising the manuscript and answering to the remarks of all the reviewers, as for the very clear and well-organized response to the reviewers' comments.

Personally, I have found the replies to my remarks both appropriate and constructive. The authors have addressed all the points I raised in my initial review with care and rigor. In particular, I appreciated:

The improved description of the measurement setup and experimental protocol, which now provides a clearer understanding of the observational framework and context;

The clarification regarding the calibration procedure and the quantification of uncertainties, which significantly strengthens the reliability of the reported results;

The more in-depth discussion of the instrumental limitations and their implications for data interpretation, which adds depth and transparency to the manuscript;

The added detail in the data analysis section, including clearer justification for methodological choices, which improves the overall reproducibility of the study.

These changes have markedly enhanced the scientific value of the manuscript. I believe that the revised version is now ready for publication.