

We appreciate the feedback provided by the Reviewers on the revised version of the manuscript.

In response to Dr. Mark Vaughan's request, we have removed the portion of the sentence highlighted in red: "which better represents real CALIOP nighttime and daytime noises in the aerosol-free stratosphere."

Furthermore, we have made updates to the Acknowledgements section to properly acknowledge the individuals and organizations who have contributed to the preparation and improvement of this article.