Dear Editor,

Many thanks for your comments and suggestions. We have addressed both points in the revised manuscript, as detailed below.

1. Lines 47-48. You may cite the earlier PPE study with CAM:
Zhao, C., Liu, X., Qian, Y., Yoon, J., Hou, Z., Lin, G., McFarlane, S., Wang, H., Yang, B., Ma, P.-L., Yan, H., and Bao, J.: A sensitivity study of radiative fluxes at the top of atmosphere to cloud-microphysics and aerosol parameters in the community atmosphere model CAM5, Atmos. Chem. Phys., 13, 10969–10987, https://doi.org/10.5194/acp-13-10969-2013, 2013.

Response: We have added this reference in the revised manuscript.

2.Lines 121-122. "We selected the the first 1-year period (1 August 2024 to 31 July 2025) where new observations from both the PACE and EarthCARE satellites are available." It is unclear to me what you mean "the first 1-year period (1 August 2024 to 31 July 2025)"?

Response: Thank you for pointing this out. We meant the earliest 12-month period starting on 1 August 2024, when observations from both PACE and EarthCARE became available. We have made this clearer now:

"We selected the earliest 12-month period (1 August 2024 to 31 July 2025) for which new observations from both the PACE and EarthCARE satellites are available.

Best regards,

Hailing Jia