

General Comments:

This manuscript presents a thorough and comprehensive investigation of aerosol effects on 8–30-day rainfall anomalies, integrating observational datasets and WRF-Chem simulations. The study addresses a timely and relevant topic with significant implications for sub seasonal precipitation prediction.

All comments and suggestions provided in my previous review have been thoroughly addressed in the revised manuscript. The authors have satisfactorily clarified methodological assumptions, improved quantitative analyses, and enhanced the overall clarity and scientific rigour of the study. I am satisfied with the revisions made and agree with the publication of the manuscript in its current form.