March 15, 2026

Professor. Juan A. Añel
Geoscientific Model Development Executive Editor

Dear Prof. Añel,

Thank you for your comments regarding the Code and Data Policy. We have updated our manuscript to ensure full compliance. Specifically:

1. The CCAM model code (version CCAM-2504), including post-processing scripts and running scripts, is now archived in Zenodo with a persistent DOI: https://doi.org/10.5281/zenodo.19018138.
2. All datasets referenced in the manuscript now link to persistent data archives with DOIs:
    - ERA5 hourly data: https://doi.org/10.24381/cds.bd0915c6
    - GPCP daily CDR v3.2: https://doi.org/10.5067/MEASURES/GPCP/DATA305
    - CMORPH v1.0 CRT: https://doi.org/10.25921/w9va-q159
    - IMERG Final Run product (Version 07): https://doi.org/10.5067/GPM/IMERGDF/DAY/06
3. All Python scripts used to generate figures are archived at Zenodo: https://doi.org/10.5281/zenodo.18423588.

The manuscript's "Code and Data Availability" section has been revised accordingly, and all dataset references are cited with persistent identifiers. The revised manuscript and its associated track-change version have been sent to editor@mailarchive.copernicus.org and Polina Shvedko polina.shvedko@copernicus.org. The updated "Code and Data Availability" section is included below:

Code and data availability

The CCAM model code used in this study, including the main CCAM code (version CCAM-2504), post-processing scripts, and running scripts, is archived at Zenodo: https://doi.org/10.5281/zenodo.19018138. The ERA5 hourly data from 1940 to present can be downloaded from https://doi.org/10.24381/cds.bd0915c6 (Hersbach et al., 2023). The Global Precipitation Climatology Project (GPCP) daily CDR v3.2 (Huffman et al., 2023) can be downloaded at https://doi.org/10.5067/MEASURES/GPCP/DATA305. The Climate Prediction Center morphing method (CMORPH) v1.0 CRT (Joyce et al., 2004; Xie et al., 2017) can be downloaded at https://doi.org/10.25921/w9va-q159. The Integrated Multi-Satellite Retrievals for the Global Precipitation Measurement IMERG Final Run product

(Version 07; Huffman et al., 2019), distributed by NASA GES DISC can be downloaded at https://doi.org/10.5067/GPM/IMERGDF/DAY/06. All figures presented in this manuscript were generated using Python scripts, which are publicly available at https://doi.org/10.5281/zenodo.18423588. All references of the datasets are listed in the in-text data citation references.

We believe these updates fully address the journal's Code and Data Policy requirements. Thank you for your consideration.

Best regards,
Truong Cong Hoang Son

The Commonwealth Scientific and Industrial Research Organisation (CSIRO)