



भारतीय उष्णदेशीय मौसम विज्ञान संस्थान  
(पृथ्वी विज्ञान मंत्रालय का एक स्वायत्त संस्थान, भारत सरकार के अधीन)  
डा. होमी भाभा मार्ग, पुणे ४११ ००८



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To,  
Dr. Franziska Aemisegger  
Associate Editor  
Atmospheric Chemistry and Physics

**Subject: Submission of the revised manuscript**

Dear Dr. Franziska,

Date: 28-01-2026

Dear Dr. Franziska,

We are submitting the revised manuscript entitled “Assessing raindrop evolution over northern Western Ghat from stable isotope signature of rain and vapour”. As per the suggestions of two reviewers, we have substantially revised the manuscript. We estimated the Lifting Condensation Level (LCL) using radiosonde data, determined the drop introduction height based on the Cloud Liquid Water Content. Using these values as input, we reran the BCIM model and revised the results. Several new tables and figures have been added. These include a list of input variables used in the model runs, a list of drop introduction heights and LCLs for the sampling days, and provide a detailed subsection on uncertainty of the raindrop evaporation estimates.

In addition, various sensitivity analyses are given with the parameters controlling the model rain isotope values. To improve the interpretation of the observed data, various figures are also added. As per the suggestion of Reviewer 2, the text is now thoroughly reorganised for better readability. The Supplementary Information has also been thoroughly revised to address many of the comments and provide further clarification.

We have previously submitted the replies to the reviewers' comments, providing point-by-point responses to their suggestions. However, some additional modifications were necessary for clarity after the responses were submitted. Therefore, the replies to the previous manuscript, based on which the reviewers made the comments, may not correspond to the changes point-by-point in the revised manuscript. The word count of the manuscript is now increased (by about 3000 words) to accommodate the suggestions of the two reviewers. For better clarification in several cases, the reviewers suggested shifting of material from the Supplementary Information to the main text.

We hope that you will find the revised manuscript suitable for publication in your esteemed journal.

Yours Sincerely

(Saikat Sengupta)

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