

Response to the Editorial Suggestions

Submission ID: egusphere-2026-1545

Submission Title: Application of radar remote sensing for cyclone damage mapping in Bangladesh: A coherence-based approach

Dear Sir,

Thank you for your valuable suggestions on our manuscript. We acknowledge your comments regarding the terminology used to describe the image stacks, as well as the cartographic presentation and readability of the figures. In response –

C1:

[1] Terminology:

Please replace “master–slave” with a more appropriate scientific alternative, and remove the word “slave” throughout the manuscript, including from any figures and tables. The term master–slave stack may be considered problematic. A possible alternative could be primary and secondary image stack, or another technically appropriate term that better fits the methodology.

R1:

We appreciate you drawing attention to this sensitive issue. Although “master–slave” is a conventional term in SAR interferometry, we have replaced it throughout the manuscript. We have replaced the "master–slave" terminology throughout the manuscript with the terms "Reference" and "Secondary" to describe the image stacks. All instances have been revised accordingly.

C2:

[2] Figures and cartographic presentation:

The map grids should not be highlighted in bold, as currently shown in Figure 4. All maps, including sub-maps, should include a north arrow and scale bar. For example, scale bars are missing from all maps in Figure 5. Please revise the figures in accordance with professional cartographic conventions. In addition, the text and labels in Figures 3 and 6, and Appendix A, are currently difficult to read. Please improve their size, resolution, and overall visibility.

R1:

Thank you for the helpful suggestions. We have revised the figures following professional cartographic conventions. The bold map grids have been removed, and north arrows and scale bars have been added to all relevant maps and sub-maps. The figures have been revised in accordance with standard conventions.

Regarding the text and labels in Figures 3 and 6 and Appendix A, we improved their size, visibility, and overall readability to the greatest extent possible. As the original images have fixed spatial resolution, further sharpening could introduce artifacts and compromise the integrity of the underlying data. We therefore upscaled the figures carefully, enhanced the visibility of the text and labels, and optimized the displayed resolution while preserving the original image quality.

We appreciate the reviewer's constructive guidance and look forward to the next stage of the review process.

Sincerely,

Md. Shahoriar Sarker

Corresponding Author