Addressing the technical corrections provided by the Editor:

- page 2 / line 24 - use a persistent URL: https://web.archive.org/web/20220210055742/https://raw.githubusercontent.com/adda-team/adda/v1.4.0/doc/manual.pdf and consider including this work in References (with a reference from Fig. 5 caption) Done

- Fig. 1: top panels have unreadable cluttered vertical axis tick labels. Fixed

- Table 1 - first column: "bck" subscripts, ZDR and KDP should be typeset in upright font. Fixed

- Fig. 5 contains raster elements, consider replacing these with newly constructed vector graphics (or at least clean up grey leftover pixels around x', y' and z' axis labels). We have cleaned up the grey leftover pixels

- add punctuation to the equations (i.e. full stops and commas in \text{} mode). Done

- the contents of the https://github.com/lterzi/DDA_database_gmd repository need to be persistently archived (e.g., Zenodo) and annotated accordingly in the Code & Data availability section. We have adapted the codes of DDA_database_gmd with the changes made during the review process and published the changes as a new version on zenodo. We have updated the code and data availability accordingly.

- the DOI in footnote 1 is invalid (10.57970/cgtek-fen7). Fixed

- page 5 / line 153: do not use italic font for "grid" or "res". Fixed

- captions of Fig. 1, Fig. 2, Fig. 4, Fig. 8 and Fig. 9, and 4 occurrences in text on pages 19 and 27: use upright font for the "max" subscript in D_{max} and $sZDR_{max}$. Fixed

- page 12 / line 240: mueller -> Mueller. We have fixed all occurrences of mueller to Mueller and subsequently also amplitude to Amplitude.

- page 21 / line 451: change Dmax into D_max. We have fixed all occurrences in the text.

- caption of Fig. 10: subscript "max" in sZDRmax (with upright font). Fixed

- page 17, line 386: "e.g." instead of "i.e."?. Fixed

- page 18, line 390: "describes" verb (used twice) seems misleading, I'd suggest, e.g., "is linked with" (as it is rather the mass flux proportionality to "S-1" that describes the diffusion, while the Fk+Fd term originates from an approximation simplifying the coupled mass/heat diffusion system into a single mass diffusion equation). Changed to "is linked with"

- page 19: 13 occurrences of non-math short hyphen instead of a minus sign in temperature values
- page 21: ditto - 4 occurrences
- page 22: ditto - 5 occurrences. Fixed all occurrences in the text.
- page 40: ditto - 2 occurrences (in title of Bailey and Hallett). Fixed in the reference

- page 23 / line 495: suggest adding the unit (incl. degree sign) to the 0.1 value as well. Added the unit.

- reference Doviak and Zrnic 1993 reference has an invalid DOI URL (https://doi.org/https://...) and lacks capitalization in publisher name. Fixed
- reference Mitchell et al. 1996 has an invalid DOI URL (https://doi.org/https://...) and a lack capitalization in journal name. Fixed
- reference Ori and Kneifel 2018 has an invalid DOI URL (https://doi.org/https://...). Fixed
- references Schrom and Kumjian 2018, Tyynelä et al. 2009 is missing a DOI. Fixed
- reference Mätzler 2006 is missing book series name to make the "vol." understandable ("IET ELECTROMAGNETIC WAVES SERIES"), also "London" could be added as "address" field. Added the book series name
- reference Mishchenko et al. 2002: fix capitalization in publisher name. Fixed
- reference Purcell and Pennypacker 1973 is missing a DOI. Fixed
- reference von Terzi et al. 2025 needs a more elaborate information than just "level1-data". Added more information
- reference Yurkin et al. 2006: journal name is abbreviated, while elsewhere not. Fixed
- references Zubko et al. 2010, Westbrook 2004b: journal name capitalization. Fixed
- reference Mason et al. 2019: final revised paper should be cited instead of the preprint. Fixed