

The authors improved the manuscript from the previous version. The recommendation is a minor revision, with suggestions detailed in the specific comments. There is no need for another round of revision after the authors incorporate suggested changes.

Specific comments:

Line 132: Add the following: The discussion is presented in section 5 and, finally, conclusions and final remarks...

Lines 135-137: Rephrase the sentence: “In particular the role of operational radar systems and the use of their data in combination with or as substitute of data measured by dedicated radars is investigated when paired with the data of a vertically pointing radar operating at a different wavelength.” with “In particular, the role of operational radar systems and the use of their data in combination with or as a substitute for data measured by dedicated radars is investigated when paired with the data of a vertically pointing radar operating at a different wavelength.”

Line 199: Replace “western of” with “west of”.

Figure 4 caption: Replace “Shown is the metropolitan region of Munich as a zoom-in of the white rectangle in Fig. 3. The yellow dot marks the position of MIRA-35. Shown are the measurement points of the dedicated (blue colors) and operational radars (red and orange) within their respective segment of roughly 2 km x 2 km centered on MIRA-35 at the lowest elevation angle.” with perhaps “The image shows the metropolitan region of Munich as a zoom-in of the white rectangle in Fig. 3. The yellow dot marks the position of MIRA-35. The image also includes the measurement points of the dedicated (blue colors) and operational radars (red and orange) within their respective segment of roughly 2 km x 2 km centered on MIRA-35 at the lowest elevation angle.”

Lines 246-247: Rephrase “To still be able to compare the data of a vertically pointing cloud radar to the data collected by operational radars in the form of PPI scans in a time-height manner, BA-CVPs were developed for this study.”, perhaps as “BA-CVPs were developed for this study to allow time-height comparison between the data collected by operational radars in the form of PPI scans and the data of a vertically pointing cloud radar.”

Line 378: The authors introduce Ze abbreviation without referencing what it is (this is done later, at line 398).

Line 500: The term “smoother” may not be the most adequate here. The resolution is coarser because of the increased distance. Clarify in the text.

Figure 14: The latitude and longitude numbers on all plots are not easily visible. The recommendation is to increase the font size.