I would like to thank the authors for their careful and exhaustive review of the manuscript and for taking into account the remarks of the reviewers. I think that the article gained a lot in clarity and overall quality, in particular section 3.5. I am in favor of publishing it as is, with just a few very minor corrections.

The authors would like to thank the reviewers for all comments.

l.253: please rephrase the last sentence, it is not clear.

The sentence has been revised and clarified in the manuscript.

Fig. 7: the colors in figures b,c, e and f) seem to be washed out (as if a value of alpha < 1 wasspecified).

The slight variation between plots a, d and b, c, e, f differ slightly as the latter are plotted on a ploar grid using wradlib plotting software. The differing sizes of pixels results in a slight lighter colour where pixels become very dense towards the center of the images. Attempts were made to modify this however without reprojecting the data to a cartesian system (and losing information about the data when zooming in on the pdf) this slight difference in opacity around the edge of the pixels cannot be easily modified.

Fig 8. and 11., given the range of reflectivity values I wonder whether it makes sense to reduce the vmax in the figure (< 60 dBZ) to improve the visibility. Regarding the colormaps I understand your position but still think that Viridis is not ideal, especially since custom colorblind friendly colormaps have been proposed by the radar community (see for example https://ntrs.nasa.gov/api/citations/20180004634/downloads/20180004634.pdf), but I leave it to author's appreciation.

The authors considered alternative suggested colour schemes have decided to keep the original colour schemes, but appreciate that a lower vmax in Fig 8 and Fig 11 is appropriate. These have now been modified in the manuscript.

l. 270. Should "were a as a result" be rather "resulted from" ? Please rephrase slightly, I found the sentence a bit clumsy.

The sentenace has been rephrased and clarified in the manuscript.

l.274: is there a missing reference?

The reference has been added to the bibliography.