Comment on acp-2021-442
Julie Letertre-Danczak (Referee)

Referee comment on "Assimilating spaceborne lidar dust extinction improves dust forecasts" by Jerónimo Escribano et al., Atmos. Chem. Phys. Discuss., https://doi.org/10.5194/acp-2021-442-RC1, 2021

Well done for this really good article either for the quality of the work and the quality of writing.

Please find here few comments which I would like to be considerate (it is only typo and colour scales issue).

L72: can you precise here the model used for the spheroidal-shape dust?

Figure 1: The figure should be placed after the section 2.1.2 as it makes no sense and questioning why the deep blue is here as it is not mentioned in the text yet.

L152: Section A should be replaced by Appendix A

Figure 5: the colour scale is difficult to read.

Figure 7: Section A should be replaced by Appendix A

L 367: Section A should be replaced by Appendix A

Figure 8: the colour scale is difficult to read.

L404: LIVAS was were assimilated, you should choose between were and was.