

Dear Editor, Atmospheric, Chemistry and Physics Discussion:

Please find below our item-by-item response to the Reviewer's comments regarding manuscript **"Quantifying the sensitivity of aerosol optical properties to the parameterizations of physico-chemical processes during the 2010 Russian wildfires and heatwave"** by L. Palacios-Peña et al.

Do not hesitate to contact us with further questions.

With kind regards,

Laura Palacios Peña

*First of all, we would gratefully thank the Editor for their valuable work.*

**Editor Decision: Publish subject to technical corrections (13 Jul 2020) by Jianzhong Ma**

Comments to the Author:

Figure 2 needs to be revised, perhaps just turning it around 90 degree in the clockwise direction. It might not be good to look at a plot upside down.

*A: Figures has been corrected following the reviewer's suggestion.*