

**Reply to the RC2's and RC3's comments on "Development and evolution of an anomalous Asian dust event across Europe in March 2020" by Tositti L. et al.**

Manuscript Ref: acp-2021-429

We thank the reviewers for their useful comments. Below are the reviewers' comments in italic followed by our replies in blue text.

**RC2**

*A few technical corrections:*

- *Lines 67-71: Consider switching the order of these two sentences.*

We switched the two sentences

- *Overall use past tenses when describing events that took place in the past.*

We corrected the text using past tenses where necessary

**RC3**

My previous remarks were properly addressed by the authors and I believe that the manuscript is improved. I have only a few minor comments.

*152: I think that the most correct spelling is "Kyzylkum" and not "Kyzilkum".*

We corrected the typo

*1121: "while multiple data based on remote sensing (satellites, LIDAR, and AERONET sun photometers)"*

*You didn't use satellite aerosol data, please rephrase to: "while multiple data based on reanalysis (CAM5) and remote sensing (LIDAR, and AERONET sun photometers)"*

We rephrased that sentence

*1126-127 "Trend of AOD, aerosol vertical behavior distribution and chemical composition of the dust event from satellite platforms." also, please rephrase removing the word "satellite".*

We corrected it

*L643: please rephrase removing the word "satellite". You employed CAM5 reanalysis PM10 data and not satellite AOD.*

We corrected it

*Technical correction*

*Figure A4: If possible improve the quality of the embedded (small) figure.*

We improved the quality of the axes in the small figure of Fig. A4