

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”.

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)”

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”.

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

Technical correction

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