

Response to Editor

We thank the editor for their continued effort and feedback. We have taken care to respond directly to each comment. The text from your comments are shown in black, and our responses are shown in blue. The responses include the manuscript text that was changed, removed, or added.

5

Thank you for the changes to the manuscript that are responsive to the reviewer's concerns. I think this will be fine for publication following a couple of minor grammatical corrections:

Lines 859-863: The word "layer" is the subject of these sentences, so please correct the subject-verb agreement (there "appear to be" layers; the lower layer "has a 532 nm LR of ~ 35 sr", the upper layer "has...", etc.

10 We changed "appears" to "appear". We changed "have" to "has" for both of these instances and the two instances in Lines 865-867. Additionally, we reviewed the rest of the manuscript for similar subject-verb disagreement. We were unable to find any other issues.

15 Line 865-867: The noun "aerosol" is singular. It is a system (singular) composed of a suspension of solid or liquid particles in a gas (a sea-spray aerosol, a biomass burning aerosol). So "the aerosol has". Alternatively you could say "the particles have" if you're referring to the particulate fraction of the system. You may wish to search the manuscript for other such circumstances. We changed "have" to "has" for both of these instances.

20 I haven't checked thoroughly, but after moving sections around and changing equation numbering it is a great idea to get a fresh set of eyes on the manuscript to make sure that all of the equations are correctly referenced. There have been several modifications to this manuscript and it's easy for this kind of error to creep in.

We reviewed the equation references and did not find any mislabeling/numbering. No actions needed.

Thanks for correcting the reference formatting.

25 Thanks again for an interesting and informative manuscript.

You are welcome. Thanks for catching those formatting errors and for your continued effort in facilitating this peer revision process.