

We thank the editor for his revision and technical correction suggestions. We adapted the text accordingly.

Dear authors,

Thank you for your revision and responses to reviewers' comments. I have now reviewed them and noted some examples of technical corrections (please see below) needed as some of them may not be fully captured during the final editing process. I recommend publication subject to minor revisions.

There are certain acronyms that are not defined in their first use (e.g., ESA, AP, VCD, etc.). Please identify and define them. VCD -> vertical column density.

Page 1, line 11: '-0.5 10" -> "-0.5 x 10".

--> done

Page 7, line 154: Missing end of sentence after "correlations".

--> done

Page 7, line 166: "produce" -> "produces".

--> done

Page 8, line 177: "does not work as well as for" -> "does not work well as for".

--> done

Page 8, line 178: "increase" -> "increases".

--> done

Page 8, Eqn 2: Please check Eqn. 2 for the absolute sign.

--> done

Page 15, line 385: "did not took" -> "did not take".

--> done

Page 17, Table 3: please define IP68/2 either in the table or the text.

--> done

Page 19, line 422: I think "present" isn't necessary.

--> done

Page 19, line 432: Please remove "e.g."

--> done

Page 19, line 435: "Bae" -> "Bae et al."

--> done

Page 19, line 442: For clarity, it may help to add "for the year" before "2020" here and in other places to give a context of a year.

--> done

Page 21, line 475: "fix" -> "fixed"

--> done

Page 25, line 535 and page 26, line 554: What do you mean by raw difference? I suggest removing raw if there is no specific meaning in these cases.

--> done

Page 27, Figure 10: "apriori" - "a priori" here and in several other places.

--> done

Page 34, line 748: "E.g.," -> "For example,"

--> done

Page 34, line 751: "in Pinardi et al. (2013) Figure 18" -> "in Figure 18 of Pinardi et al. (2013)".

--> done

Page 37, line 778: "H75 is increase" -> "H75 increases"

--> done

Sincerely,

Lok Lamsal, PhD

AMT Associate Editor