

**Dear editor,**

Here we submit our revised manuscript for consideration to be published on **Atmospheric Chemistry and Physics**

The further information about our manuscript is as follows:

**Topic:** Developing a novel hybrid model for the estimation of surface 8-h ozone (O<sub>3</sub>) across the remote Tibetan Plateau during 2005-2018

**Type of Manuscript:** article

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Firstly, we acknowledge the suggestions of editor and two reviewers, and are also grateful to your efficient serving. We have updated the manuscript on the basis of these valuable comments. Our responses were listed as following:

**Reviewer #2:** There must still be significant improvements to the English language used in this work. The science and modeling framework is sound enough to be published, but the English prose is still poor in many areas. I highly recommend the authors to seek out a third party for writing assistance.

**Response:** Thank for reviewer's suggestions. We have revised the English language throughout the manuscript carefully. The detailed revisions are as follows:

Line 25: "concentrations" has been changed into "concentration".

Line 31: "one" has been replaced by "O<sub>3</sub> concentration occurred".

Line 58: "concentration" has been changed into "concentrations".

Line 88: "can" has been replaced by "could".

Line 101: "level" was changed into "levels".

Line 105: "contributions" has been replaced by "contribution".

Line 109-111: The sentence has been replaced by "While decision tree model showed many advantages in predicting pollutant level, the spatiotemporal autocorrelation of pollutant

concentration was not concerned by these studies”.

Line 119: “density” has been replaced by “densities”.

Line 124: “is” was replaced by “was”.

Line 154-155: The sentence has been changed into “Tibetan Plateau is located in Southwest China, which ranges from 26.00 to 39.58°N and from 73.33 to 104.78°E, respectively”.

Line 161: “focused” was changed into “focus”.

Line 173: “was” was changed into “were”.

Line 206-207: The sentence has been changed into “At each node of the decision tree, the random samples of all predictors were applied to determine the best split among them”.

Line 320: “is” was changed into “was”.

Line 321: “error” has been replaced by “errors”.

Line 394: The sentence has been changed into “the lowest one in a city of Southeast Tibetan Plateau (Aba)”.

Line 442: “concentration” was replaced by “concentrations”.

Line 487: The sentence has been replaced by “Besides, we also found that the O<sub>3</sub> level displayed a slow increase from 64.74±8.30 µg/m<sup>3</sup> to 66.45±8.67 µg/m<sup>3</sup> from 2005 to 2015”.