

Interactive comment on “South Atlantic Anomaly during ascending and maximum phase of solar cycle 24” by Khairul Afifi Nasuddin et al.

Anonymous Referee #2

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This paper focused on the South Atlantic Anomaly during the ascending and maximum phase of solar cycle 24, the research should be meaningful to reveal the unrevealed mechanisms and features of SAA region. The paper is in good organization, some revisions should be done to improve the quality of paper and get some more solid conclusions for the topic. 1) When the impact of solar activity is considered, it is better to study the entire solar ascending phase, and also make comparison with the feature in solar descending phase. I suggest the authors to make further analysis and comparisons. 2) The geomagnetic storms selected in the present experiment are not very representative in solar cycle 24, severe geomagnetic storms happened in 2015 and 2017 in this solar cycle, the features should be considered and analyzed. 3) The radiation of SAA region during geomagnetic storm can be compared with the normal

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condition, if probable, the authors can use some solar radiation flux data to study the solar impacts on SAA during some specific conditions. 4) Some minor language errors should be corrected.

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