

Interactive comment on “Contribution of Meteor Flux in the Occurrence of Sporadic-E over Arabian Peninsula” by Muhammad Mubasshir Shaikh et al.

Anonymous Referee #2

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The paper presents a topic of sure interest that can stimulate the curiosity of a number of scientists because it poses questions still unsolved and because the analysis is based on measurements taken in a region scarcely reported in the open literature. This is the reason why I would be in favour of the paper publication. Nevertheless, my major concern is about the Es definition: are the authors considering the foEs or the appearance of Es? I see some confusion in the manuscript between the two quantities and I wonder why the authors are accounting for foEs instead of focusing on the occurrence of Es. Here follow some major issues that the authors might consider. In the Discussions: You write “A constant presence of Es can be observed throughout the year and all hours of the day”, but the persistence throughout the year is not visible from your plot in which you identify the hourly average foEs as function of the day

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time. To show such consistency you should include the count. You write “The trend of monthly averages of Es clearly shows a rise in summer months and a decline in the autumn and winter months.” From the plot I can see an increase in springtime and a decrease from early summer. In figure 5 are you reporting the foEs or the count of Es occurrence?

Minor revisions Fig.3 caption: meteor instead of metero Lines 106-110 page 4: replace o with ° Line 119 page 4: Fig 4 shows

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