

The authors thank both reviewers for their efforts in reviewing the manuscript. In response to reviewer #2's suggestions, we have made the following changes, with author responses in bold:

Regarding the usage of the term linear electron densities: The authors have explained it in the response but in the revision they just mentioned '... with linear electron densities along the trail axis of..'. Is it along the axis or orthogonal to the axis? It is better to add a sentence in similar lines to what is given in the reply because Aeronomy community is not necessarily aware of the Meteor science terminology, though this is a technical paper using meteor radar.

Added: "The durations of radar echoes from weakly ionized meteor trails, which constitute the overwhelming majority of meteor trail detections, provide information about the state of the background atmosphere in which they occur. The density of plasma in a meteor trail is usually characterized by the 'linear electron density', which is a measure of the radially integrated number of free electrons in a one-meter long segment of meteor trail (along the direction of meteoroid travel)."

I do not understand their response to minor comment on figure 5 (presently figure 6). It was just a suggestion to include two vertical lines in the plots to indicate the start and end times of main PMSE duration studied here. This will help the reader to associate the shears during PMSE periods. The response given speaks about the meteor wind resolutions that is not the point made in the comment. However, I leave it to the author's decision as it is only a minor suggestion.

Added dotted boxes to wind speed and sheer plots to denote PMSE detection periods on Fig. 6. Added to Fig. 6 caption: "Dotted boxes indicate PMSE detection periods. Gray squares denote insufficient data."