

Response to the editor's comments

Comments are in black and responses in red

These seem like "raw" all-sky images, in which case the latitude and longitude scales should not be linear - pixels near the edge cover more degrees of latitude/longitude than pixels near the centre, for the same height aurora. Could you also double check the latitude and longitude scales on the figures in the paper and confirm they are calculated correctly. If not, then please also confirm that the mistake does not affect your conclusions through a mis-calculation of the position of the EISCAT and KAIRA observations.

Yes, the movies are generated from raw images. Since, KAIRA and EISCAT locations are quite near to the KIL-ASC location, we use a linear scale, and it is good enough for the data analysis and results presented in the paper. We confirm that all latitudes and longitudes appeared on figures are correct and no effect that can affect the conclusion. We include the movies to show further how different types of PsA looks like from the raw ASC images and over the EISCAT FOV.

I suggest also making sure the time labels in the videos have two digits for each of hours, minutes, seconds, i.e. including the leading/trailing zero, for clarity, and also adding labels to the axes.

Labels added and time stamp corrected.