

Interactive comment on “Multi-static spatial and angular studies of polar mesospheric summer echoes combining MAARSY and KAIRA” by Jorge L. Chau et al.

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We thank the reviewer for the positive comments and suggestions that have helped us improve our paper. We will address them one by one in the revised version. Here we would like to comment about:

a) MAARSY-KAIRA diagram. We will add a clarifying text to indicate that the MAARSY illuminated volume is not limited to its zenith position, but other regions are also illuminated with the sidelobes, so the reader can understand the reason for the bistatic Bragg vector at the middle point.

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b) Regarding the coexistence of lower mesospheric echoes (typically associated to winter echoes at polar regions) and the well-known Polar mesospheric summer echoes (PMSE), in the revised version we will be more precise. The reviewer is right, they do not co-exist at equinoxes, the lower mesospheric echoes co-exist with PMSE at the beginning of the PMSE season for many weeks, i.e., a month or so after the Spring equinox.

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