

Response to the request for technical revisions by the Handling Editor

Final comments by Reviewer #1

Minor comments:

Could the authors add a brief statement at the end of the abstract clarifying the most important scientific implication of this study? I mean not simply the numerical properties of the Skywarden database, but what the results suggest scientifically. It may be natural to draw this point from the conclusions.

We have added the following sentence at the end of the abstract:

“These results suggest that the dune aurora formation mechanism might involve an interplay between proton precipitation, atmospheric dynamics, and nightside transition region processes.”

Typos:

Line 90: “survey of of dune aurora observations” -> “survey of dune aurora observations”.

Line 200: “a few of dune events” -> “a few dune events”.

Line 421–422: “observational effort, which is the affected by ...” -> “observational effort, which is affected by ...”.

We have corrected these three typos.