Sensing impacts to the Earth-ionosphere waveguide from terrestrial and space weather

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Supplemental information

This folder contains several GIF animations corresponding to figures in the dissertation text. A description of each of these follows.

1. `average_paths_202211.gif`: This animation corresponds to Figure 4.3 in the dissertation text. It shows the average number of paths traversing the latitude-longitude grid over 10-minute time bins, where the entire month of November 2022 has been averaged into a single day in universal time (UTC). Each frame of the animation represents one 10-minute time bin.
2. `perp_paths_202211.gif`: This animation corresponds to Figure 4.4 in the dissertation text. It shows the average perpendicularity of paths traversing the latitude-longitude grid over 10-minute time bins, where the entire month of November 2022 has been averaged into a single day in universal time (UTC). Each frame of the animation represents one 10-minute time bin.
3. `Dispersion_quietavg_10m_202211.gif`: This animation corresponds to Figure 4.8 in the dissertation text. It shows the average dispersion of paths traversing the latitude-longitude grid over 10-minute time bins, where the 12 EEP-quiet days in the month of November 2022 have been averaged into a single day in universal time (UTC). Each frame of the animation represents one 10-minute time bin.

Additional animations and figures are available at the public GitHub repositor for this chapter, at https://github.com/andersontodds/pathGrid, or by request from the author.