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Poster

In this study, we use the general circulation model TIE-GCM as well as different synthetic lower boundary forcing conditions to investigate the behavior of the lower Thermosphere Ionosphere (TI) system. The lower boundary forcing is synthetically generated to artificially mimic different atmospheric conditions and then used as input for TIE-GCM. The influence of these conditions on the TI system will be analyzed by investigating different thermosphere as well as ionosphere parameters. The goal of this study is to improve the understanding of the importance of the different (internal vs. external) driving mechanisms in the TI system.

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