Supplementary Material

Solitary wave characteristics on the fine structure of mesospheric sporadic sodium layer

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# Additional Supporting Information

Caption for Movie S1

Movie S1. A dynamic video of the variation of column vectors of  and  with time. Left: the simulation results denoted as matrix . Right: the net anomaly evolution of the NaS obtained by observation data matrix subtracting the Gaussian distribution model , denoted as . The numerical simulation results are in good agreement with the evolution process of the NaS.