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Supporting Information for

Density duct formation triggered by a travelling ionospheric disturbance: Murchison Widefield Array observations

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Additional Supporting Information (Files uploaded separately)

Captions for Movies S1 to S4

Introduction

This supporting information contains animated GIF movies of the angular distortion vector field for the three nights of data, and an animated GIF movie of satellite line-of-sight differential STEC measurements for the first night (26 Aug 2014). See the main manuscript for details of how these plots were generated.

Movie S1. Distortion vector field as a function of time for MWA observations on the night of 26 Aug 2014. Each arrow represents the angular displacement vector of a single celestial radio source. A cyclic colour scheme has been used to convey the direction of each arrow, with red and cyan corresponding to east and west. Arrow lengths are scaled to 100 times the actual displacement distance.

Movie S2. As for Movie S1, but for the night of 27 Aug 2014 and with arrow lengths scaled to 200 times the actual displacement distance.

Movie S3. As for Movie S1, but for the night of 28 Aug 2014 and with arrow lengths scaled to 200 times the actual displacement distance.

Movie S4. Differential STEC data recorded by GPS and GLONASS satellites over the MRO on the night of 26 Aug 2014, measured along line-of-sight tracks towards a single ground-based receiver on site.