

Supplementary Materials:

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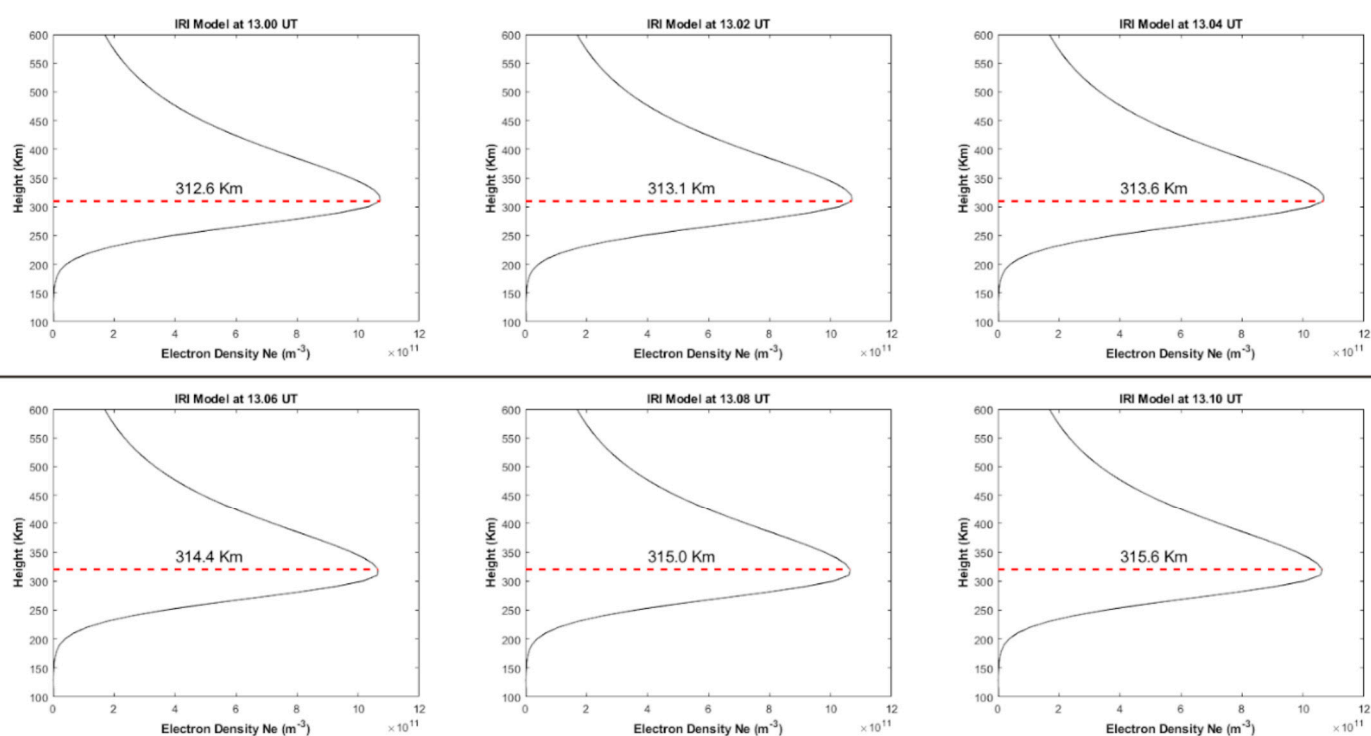


Figure S1. The vertical electron density profiles were reconstructed over the epicenter at six epochs (13.00 - 13.10 UT with intervals every 2 minutes) from the IRI model (<https://irimodel.org/>, accessed on 23 June 2022).

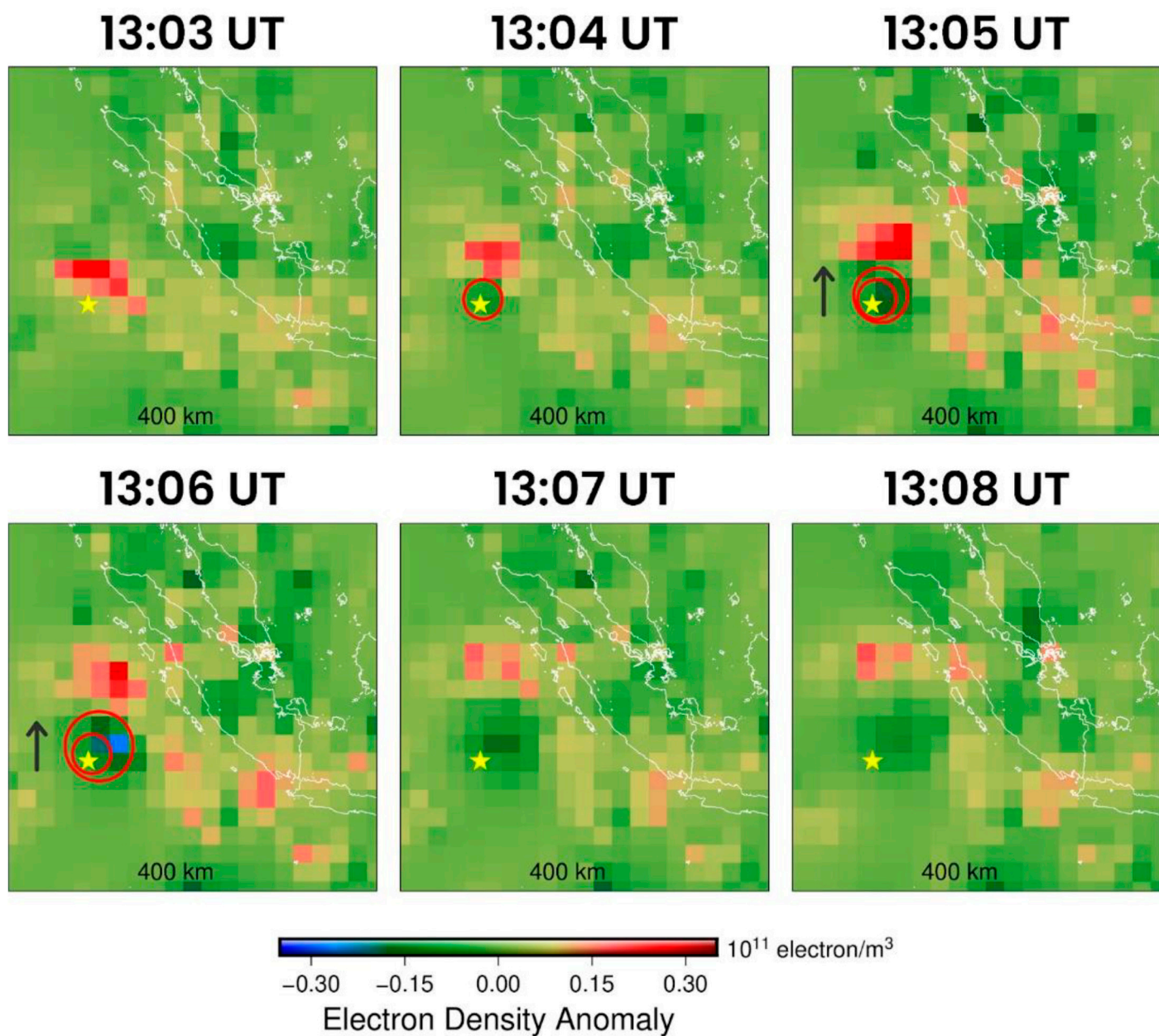


Figure S2. Tomography results of the 2016 West Sumatra Earthquake at an altitude of 400 km. The yellow star is the epicenter. The red circle and arrow indicate the direction and area of movement the negative CID. The negative anomaly starts to decrease at 13.04 UT.