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## The role of earthquake source parameters in the subionospheric VLF/LF anomalies before main shock

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Although subionospheric VLF/LF anomalies have been observed for some of the major earthquakes, their generation mechanisms are still unclear. In this paper, we focus on the detailed earthquake source parameters such as centroid moment tensor (CMT) solution in addition to traditional earthquake magnitude and depth information to study the occurrence relationship between earthquake types and corresponding ionospheric anomalies. As a result, we found that the ionospheric anomalies are observed prominently in association with thrust type earthquakes.

Keywords: ionospheric perturbation, VLF/LF transmitter, earthquake, CMT solution

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