

Interactive comment on “Ionospheric influence on the seismo-telluric current related to electromagnetic signals observed before the Wenchuan $M_S = 8.0$ earthquake” by Mei Li et al.

Anonymous Referee #2

Received and published: 25 July 2016

The manuscript presents two and three layer models studies and the authors conclude that upto 300 km the signal is affected by the ionosphere, whereas ionosphere influence the signal if it is measured more than 300 km. It is not very clear how the authors have tried to link with the Wenchuan earthquake, except that some of investigators have observed ionospheric perturbations in the ionosphere. If the focus of the earthquake is 19 km, how consideration of homogeneous isotropic conductivity values can be justified?. The authors findings that ionosphere influence em propagation beyond 300 km is a trivial exercise, ofcourse it all depends on frequency and conductivity of medium. But with such conclusion, one may not relate with the Wenchuan earthquake. Numerous papers have been published on Wenchuan earthquake,

C1

several authors have discussed surface, subsurface, atmosphere and ionospheric parameters, If the authors have some observed MT data or ground data, it would be better to show anomalies associated with the Wenchuan earthquake. The authors have not mentioned the relevance of their findings with Wenchuan earthquake in the abstract, but in discussion they made an effort to related with the Wenchuan earthquake. The manuscript is full of English language and grammar problems.

Interactive comment on Solid Earth Discuss., doi:10.5194/se-2016-89, 2016.

C2