

Interactive comment on “On the possibility of precursors of earthquakes in VLF range observed by DEMETER Satellite” by D. K. Sondhiya et al.

Anonymous Referee #1

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This paper is well written but it rather looks like a review paper on turbulence than a study related to EQs. In fact the relation with EQs is not evident as we have no analysis at the time where EQs are absent. It will be perhaps good to show the variation of the turbulence parameters along a given orbit when the satellite is going closer and closer to the epicenter. If the parameters change at the closest approach then it is possible to say (if it is the same for several events) that EQs could influence the ionosphere. Page 7, the choice of the selected EQs is not explained. Why this choice of EQs with small magnitudes ? - EQ 1 :at the closest approach the distance between the epicenter and the satellite is not given. - Why the analysis starts after the closest approach ?

Page 8, no information about the closest approach of EQ 2 is given Page 9, no information about the closest approach of EQ 3 is given All characters on the axis of the

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figures are too small. It is impossible to read the time. It is not clear in Figure 2 if the peaks in the kurtosis and the skweness curves could be related to EQ1 position . Legend of Figure 3: meaning of SWAN ? In Figure 4 what is the meaning of the vertical red line ?

Interactive comment on Nonlin. Processes Geophys. Discuss., 1, 977, 2014.