

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

Professor Pokhotelov (Referee)

pokh@ifz.ru

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Comment on the MS “On the possibility of precursors of earthquakes in the VLF range observed by DEMETER Satellite” by D. K. Sondhiya, S. Kumar and A. K. Gwal The authors of the manuscript present the evidence of appearance of VLF emissions on board the DEMETER satellite possibly connected with the preparation of EQs. It should be noted that similar studies have been already carried out by other researchers using the data collected from the DEMETER and other satellites. The most recent is the paper by Walker et al. (Annales Geophys., 31, 1597-1603, 2013). These authors have examined ULF electric field data from DEMETER satellite during the period leading up to the Sichuan EQ. They have demonstrated the increase in the ULF wave activity as DEMETER passes close the EQ epicenter (unfortunately this paper is

C247

not included in the reference list). A comprehensive analyses of these data points out on the possible relation of the ULF variations with the passage of atmospheric gravity waves generated in the vicinity of EQ epicenter. The authors of the paper submitted to NPG are trying to continue this line and use the idea of using the data collected from DEMETER satellite for characterizing the electromagnetic properties of the VLF emissions during the preparation phase of impending EQs. The paper contains important results, concisely written and certainly deserves publication in NPG.

Please also note the supplement to this comment:

<http://www.nonlin-processes-geophys-discuss.net/1/C247/2014/npgd-1-C247-2014-supplement.pdf>

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