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Statistical study of pre-seismic subionospheric disturbance observed by the DEMETER and ground-based measurements

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The atmospheric and the ionospheric disturbance have been reported as an electromagnetic phenomenon related to the earthquakes in the 1980s. These phenomena have been expected to be useful for the short-term earthquake prediction. Motivated by this background, we statistically investigate pre-seismic subionospheric disturbances by using the VLF electric field data of the DEMETER.

Keywords: Earthquake, Subionospheric disturbance, DEMETER