

Z240-001

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observation of ionospheric perturbations associated with earthquakes (statistical and case studies)

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<http://seismo.ee.uec.ac.jp/>

In order to confirm the presence of seismo-ionospheric perturbations, this paper deals with the following two items. (1) statistical study on the correlation between the ionospheric perturbations as detected by subionospheric VLF/LF data and earthquakes during many years and (2) one case study for a big earthquake (here we deal with the Indonesia Sumatra earthquake, and we deduce the characteristics of ionospheric perturbation for this huge earthquake by means of the subionospheric VLF data for the path from NWC (Australia) to Japanese few stations.