



Monitoring of seismo-related ionospheric perturbations using VLF signals received on the ground and satellite DEMETER

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Results of monitoring of subionospheric VLF signal in Petropavlovsk station (Kamchatka, Russia) and VLF signal registered on a board of DEMETER satellite are presented here for two periods of seismic activity occurred in a) October-December, 2004 and b) July-September, 2005. The same difference method of data processing is used, but concerning satellite data we need previously to construct a model of the signal distribution over selected area. We demonstrate that our model well-described the real data in condition of their completeness and absence of magnetic storms or seismic forcing. In result we found not so evident seismic effect in period a) from satellite data, while observation on the ground showed rather convincing effect. However in period b) we discovered noticeable effect both in the ground and satellite data. The work was supported by ISTC under Grant 2990.