Abstract Details

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Title: A study on the association of ionospheric perturbations with the earthquakes in Japan, as based on the JJY signal observation at Moshiri(Hokkaido)

Abstract:

The most promising candidate for the lithosphere-ionosphere coupli the acoustic channel, and so we investigate the ionospheric perturbat the path of the JJY signal(40[kHz]) (transmitted from the Fukushima prefecture) observated at Moshiri(Hokkaido) during the period of Jun to December 2003. We pay attention to the fluctuation in a period fro minutes to a few hours in the LF data(amplitude and phase), and we investigate the power spectral density integrated are 10 minutes to 4 dduring the nighttime data. This integrated power spectral density in frequency range of acoustic gravity wave, is compared with the temp evolution of earthquake. Then, it is found that there seems to exist a correlation between two, gaving a further support to the acoustic cha

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