

Quantitative relation between VHF abnormal propagation and the earthquake occurrence

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VHF observation for detection of abnormal propagation as an earthquake precursor, started in 2003, and now (end of Jan., 2006) five stations have been operated in Hokkaido. From 2005, target FM stations were changed from whole Japan to Hokkaido, especially eastern Hokkaido, and Pacific side of northern Honshu, to obtain more accurate data related to earthquakes. We tentatively use 64MHz transmitter for seismic teremeter system. For two earthquakes, 64MHz scattering waves were observed. We are going to show some results about relations among total time of abnormal propagation, length of quiet period, magnitude of earthquake, and maximum intensity.