

Observation network for VHF scattering waves and records of recent earthquakes

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We show new observation network in Hokkaido to monitor earthquake precursors. Distances between observation and radio stations are set to be 100 ~ 30km. Shorter distance networks have higher solving power to determine epicenter region and magnitude. Altitude of scatterer seems to be not high and Hokkaido observation stations cannot monitor all of Japan. Monitoring region is limited to be whole Hokkaido and oceanic side of northern Honshu. We are examining to set the emitter of electro-magnetic waves in the target region, for example, active fault, high seismicity regions, and the region in which large earthquakes are going to occur. The record of scattering waves, which observed before recent large earthquakes will also shown.