

A new approach to detect anomalous geoelectrical areas prior to large earthquakes by using radio telemeter network

Takeshi Fukushima[1]

[1] Gyotoku high school

http://www.asahi-net.or.jp/~xr2t-fksm/sizen/zisin/zisin_main.html

In order to foreknow the earthquake in the wide area using the earthquake electromagnetism phenomenon preceded with an earthquake, it is necessary to grasp detailed abnormalities in electric wave propagation and abnormalities in an electric field over a wide area. That is, the surveillance in the network which had a field-spread with high density is needed. However, time and cost start building these observing points newly. In the Ministry of Land and Natural Resources, rainfall and a water level, flux, water quality, etc. are observed, and it opens to along a main river on the Internet as a suimon suisitu database. Moreover, also in the self-governing body, the uniquely same observation as along a river or a road is performed, and data is generalized in the river information center etc. These observation data is collected using a cable (telephone line (a metal and light)) or a radio telemeter (remote place observation using radio). Then, paying attention to the network of the radio telemeter developed nationally now, it investigated whether the abnormalities in electric wave propagation would have arisen in the base station. Until now, the offing earthquake of 2003 Tokachi (M8.0), the 2003 Miyagi northern part earthquake (M6.4), the 2004 Niigata Chuetsu earthquake (M6.8), etc. were able to be analyzed, among these the remarkable abnormalities in electric wave propagation were able to be checked from two week before of the occurrences of an earthquake in the offing earthquake of Tokachi. Suppose that it is also continued supervise a radio telemeter as one standard which judges whether it is unusual whether the present electric wave propagation situation is normal.

