

Geomagnetic and geoelectric observations in the Awaji-shima island

Eishi Mochizuki[1], # Satoru Tsunomura[2], Yuji Yamada[3], Tomomi Tanaka[4], Ikuko Fujii[3], Masashi Hoshino[3], Hiroatsu Maki[5]

[1] K.M.O., J.M.A., [2] JMA, [3] Kakioka Magnetic Observatory, [4] Magnetic Observatory, JMA, [5] KMO, JMA

Observation system and the present status of geomagnetic and geoelectric observations in the Awaji-shima island for the earthquake prediction research will be introduced. Observed data are suffered by electric noises very much. There have not been any seismic activities around the observation sites since the start of the observation (April, 1996). We will show long-term variations of nighttime geomagnetic total force and geomagnetic transfer functions as the basic state of the observations. We will also discuss the characteristics of annual variations of geomagnetic transfer functions on the basis of geomagnetic data at MMB, KAK and KNY to evaluate the base condition of the time variation of transfer function.