

Monitoring of the variations of geophysical environment associated with crustal activities in the southern part of Boso Peninsula

Nobuhiro Isezaki[1], Katsumi Hattori[2], # Makoto Harada[3], Masahide Furukawa[4], RIKEN International Frontier Research

Group on Earthquakes Uyeda Seiya

[1] Dep. Earth Sci, Chiba Univ., [2] MBRC, Chiba University, [3] Graduate School of Sci. and Tech., Chiba Univ., [4] Human Rad. Env., NIRS

<http://www-es.s.chiba-u.ac.jp/geoph/geoph.html>

We have installed the monitoring system which measures ULF-band(<10Hz) geoelectromagnetic field and radon variations in the southern part of Boso Peninsula, Central Japan. Adding above, seismometers and GPS receiver has been operated to obtain the information of crustal activities. The main purpose of this observation is to detect their anomalous behaviors associated with earthquakes and crustal movements. Measurement has been continuously carried out since December 2000. To realize their quasi real-time monitoring, we are now trying to develop a telemeter system to get data automatically.