

Installation of Temporary Station for ULF Geomagnetic Observation in Taiwan

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We set up temporary station at Chung Cheng University (CCU). Therefore, we installed temporary station with 3 component fluxgate magnetometer and two orthogonal dipoles for electric fields at CCU, in Chia-Yi, Taiwan, where locates on the active fault. The results are rather better than we expected even the CCU is close to downtown, a railway, and power lines. Furthermore, there was a small earthquake (M3.9) just under CCU and a variation of polarization indicates slight increase about nine days before the earthquake. Unfortunately, measurement period was too short to evaluate that the enhancement was actual earthquake related phenomenon or not. However, the result is rather encouraged and we would like to upgrade it to the permanent station in near future.