

STUDY OF THE PRACTICAL TECHNOLOGY ABOUT GEOMAGNETIC ABNORMAL PHENOMENA TRACKING

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At present, geomagnetic monitoring networks mainly base on large-scale station –type observation in China, and a variety of mobile measurement obtain observational data through regular artificial measuring. For the emphasis earthquake zone densely monitoring abnormal information monitoring about observation stations etc, there is no corresponding model about flexible tracking. The geomagnetic abnormal phenomena tracking system mainly monitor aftershock identify the disturb sources and meet the equipment contrast observation needs.

The research project bases on the existing fluxgate magnetometer technology, improving the equipment performance of field observing. We also mention the related technical system such as power supply, communication and monitoring, etc. The wireless data transmission and remote control of instrument is realized by using the GPRS and CDMA wireless network technology.

Observation system, fluxgate magnetometer, wireless network

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