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摘要:

大地电磁参数标准网的建设需要大量第一手的观测资料, 观测资料的质量直接决定了标准网的可靠性。才备、资料采集与处理技术, 确定了青藏及华北阵列式区域大地电磁场标准观测网的建设方法; 在此基础上, 在标准点进行了野外观测试验, 对采集的宽频及长周期数据进行了深入处理, 形成的对辅助测站和中心测站布置、参考测站布设等要求, 将指导青藏及华北阵列式区域大地电磁场标准网的建设, 并对中国大陆其他区域大地电磁场。

关键词: [青藏及华北](#) [大地电磁测深](#) [辅助测站](#) [中心测站](#) [标准网建设](#)

Construction Methods and Experiments for Magnetotelluric Standard Network at the Tibetan Plateau and North China [Download Fulltext](#)

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Abstract:

A large amount of first-hand observation data are needed to construct magnetotelluric (MT) standard network. The reliability of the standard network directly relies on the quality of MT data. This paper established the construction method for MT standard network at the Tibetan plateau and North China after analyzing the MT equipment, data acquisition, processing. Field observation and experiment was conducted at the standard stations (11535 and 11536) in Shandong province. The data of broad-band and long period MT data was processed in detailed. The methods central and accessory station deployment, data acquisition time, processing and remote reference station deployment from the field experiments, will be used to instruct the construction of magnetotelluric (MT) standard network at the Tibetan Plateau and North China and will provide technical support to construct MT standard network at other regions.

Keywords: [Tibetan Plateau and North China](#) [magnetotelluric sounding](#) [accessory stations](#) [central stations](#) [of MT standard network](#)