
Scalar CSAMT Applied to Woxi Au-Sb-W Deposit, Hunan, China

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Scalar and tensor controlled-source audio magnetotellurics (CSAMT) survey was carried out over the Woxi Au-Sb-W deposit in three individual stages (A, B, and C). At first stage, stage A, that is this paper about, two hundred thirty seven sites in eight lines were acquired. Lines were designed in NS direction to acquire data in TM mode approximately perpendicular to general trend of the area's structures. The survey produced apparent resistivity contour maps at ten frequencies: 8, 16, 32, 64, 128, 256, 512, 1024, 2048, and 4096. The CSAMT data provided important information about mineralized layers and structures in the study area. Follow-up detailed geological mapping and the drilling results have verified most of the results of the work. The auspicious result ensue stages' B and C surveying
