A Big Earth Data Platform for Three Poles

**Magnetotelluric data of Zhaxikang ore district (2018-2022)**

1、Description

This data set is the measured magnetotelluric data of zhaxikang ore concentration area in Tibet, with a frequency range of 320 ~ 0.001 Hz. It is used to study the electrical structure of the acquisition area less than 5000 m. The data is obtained from the actual measurement of v5-2000 instrument, and each measuring point forms a file in ". PLT" format, which includes the position of measuring point (longitude and latitude), observation time, measurement parameters and measurement results. The field pole distribution mode of all survey points is a "cross" shape from north to south to East and West. The data collection is carried out in strict accordance with the geological and mineral industry standard of the people's Republic of China Technical Specification for magnetotelluric prospecting (DZ / T 0173-1997), and all parameters (instrument parameters, inspection rate and inspection results) meet the requirements. Using this data set, the shallow electrical structure of Zaxikang mining area more than 5000m is clearly characterized, which provides an important support for mineralization in the study area.

2、Keywords

Theme：Earth Resistivity,Magnetotellurics  
Discipline：Solid earth  
Places：Zhaxikang ore concentration area, Tibet  
Time：current

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：0.8MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：28.5 | - |
| west：91.5 | - | east：92.5 |
| - | south：28.0 | - |

5、Time frame:2018-08-31 16:00:00+00:00--2022-02-09 16:00:00+00:00

6、Reference method

References to data:

LIANG Shengxian . Magnetotelluric data of Zhaxikang ore district (2018-2022). A Big Earth Data Platform for Three Poles, doi:10.11888/SolidEar.tpdc.2721142022

References to articles:

7、Supporting project information

National Key R&D Program of China（2018YFC0604103）

8、Data resource provider

name: LIANG Shengxian   
unit: Chengdu Center，China Geological Survey  
email: 313058798@qq.com