A Big Earth Data Platform for Three Poles

**Audio magnetotelluric data in Zhaxikang ore distric, Tibet**

1、Description

This data set is the measured data of audio frequency (10400 ~ 1.02 Hz) magnetotelluric in zhaxikang ore concentration area, Tibet. It is used to study the electrical structure less than 1000 m in the acquisition area. 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 measuring 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 audio frequency magnetotelluric method of natural field (DZ / T 0305-2017), and all parameters (instrument parameters, inspection rate and inspection results) meet the requirements. Using this data set, the electrical structure of zhaxikang ore concentration area is clearly described, which provides an important support for the study of mineralization and the prediction of prospecting target 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：7.1MB

4.Data format：None

4、Space scope

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

5、Time frame:2018-05-31 16:00:00+00:00--2018-09-30 16:00:00+00:00

6、Reference method

References to data:

LIANG Shengxian . Audio magnetotelluric data in Zhaxikang ore distric, Tibet. A Big Earth Data Platform for Three Poles, doi:10.11888/SolidEar.tpdc.2721132022

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