A Big Earth Data Platform for Three Poles

**Sichuan Tibet Railway Corridor Xianshuihe area broadband magnetotelluric data set (2020)**

1、Description

The field survey of 15 MT measuring points in Xianshuihe fault zone has been completed in this field observation. After subsequent integration with some old data sets, it is used to study the three-dimensional electrical structure of Daofu Shimian section of Xianshuihe fault zone. For the mtu-5a instrument used in this field observation, the recording time of each measuring point exceeds 40 hours, and each measuring point contains a TBL file, which is used to record the electrode distance, data saturation points and other information of field measurement, as well as three time series files. The file suffixes are Ts3, ts4 and ts5 respectively. Ssmt2000 software is used for data post-processing, which has reliable data quality and can be used to study the three-dimensional electrical structure of Xianshuihe fault zone.

2、Keywords

Theme：Earth Resistivity  
Discipline：Solid earth  
Places：Xianshuihe fault  
Time：2020

3、Data details

1.Scale：None

2.Projection：

3.Filesize：1024.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：30.9 | - |
| west：100.4 | - | east：100.9 |
| - | south：29.5 | - |

5、Time frame:None--None

6、Reference method

References to data:

CHEN Xiaobin . Sichuan Tibet Railway Corridor Xianshuihe area broadband magnetotelluric data set (2020). A Big Earth Data Platform for Three Poles, doi:10.11888/SolidEar.tpdc.2722582022

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: CHEN Xiaobin   
unit: Ministry of Emergency Management of China, National Institute of Natural Hazards, Ministry of Emergency Management of China  
email: cxb@pku.edu.cn