A Big Earth Data Platform for Three Poles

**Lithospheric structure of Dahutang**

1、Description

The data set is mainly shown in the article https://doi.org/10.1016/j.pepi.2020.106617. The S-wave velocity structure under the station is obtained by using the joint inversion of the P-wave receiver function and the group velocity dispersion of 42 stations located near the Dahutang mining area in Jiangxi Province. The dataset contains 42 files in the format of DAT: for example, dahutang.jx46.velocity.dat. The data set represents the lithospheric velocity structure of the Dahutang mining area and understands the deep mechanism of Dahutang polymetallic mineralization.

2、Keywords

Theme：Seismic velocity,Tectonics,Seismology  
Discipline：Solid earth  
Places：Dahutang Deposit  
Time：2018

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.08MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：29.22 | - |
| west：114.79 | - | east：115.02 |
| - | south：28.49 | - |

5、Time frame:None--None

6、Reference method

References to data:

DENG Yangfan. Lithospheric structure of Dahutang. A Big Earth Data Platform for Three Poles, doi:10.11888/Geo.tpdc.2714272021

References to articles:

Zhang, Z., Deng, Y., Yao, J., Zong, J., & Chen, H. (2021). An array based seismic image on the Dahutang deposit, South China: Insight into the mineralization. Physics of the Earth and Planetary Interiors, 310, 106617.

7、Supporting project information

The deep process and resource effect of major geological events in Yanshan period (2016YFC0600400)

8、Data resource provider

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