A Big Earth Data Platform for Three Poles

**Moho depth and VP / VS of Dahutang**

1、Description

The data set is mainly shown in the article https://doi.org/10.1016/j.pepi.2020.106617, which includes the distribution of the average thickness of the crust and the average Vp/Vs ratio of the crust based on the h-kappa stacking of the P-wave receiver functions on 42 stations near the Dahutang mining area in Jiangxi Province.
The dataset contains 1 file in DAT format: Dahutang\_ moho\_ vpvs.dat。
The data set can be used to show the Moho undulation feature of the Dahutang mining area, perspective the transverse distribution characteristics of crust and crustal wave velocity ratio in Dahutang polymetallic metallogenic area, and then discuss the difference of average composition of crust inside and outside the mining area.

2、Keywords

Theme：Average crustal thickness,Receiver function,Vp/Vs ratio,Seismology
Discipline：Solid earth
Places：Dahutang Deposit
Time：2018

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.01MB

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. Moho depth and VP / VS of Dahutang. A Big Earth Data Platform for Three Poles, doi:10.11888/Geo.tpdc.2714262021

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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