A Big Earth Data Platform for Three Poles

**Optimal orientation of magnetic anomalies in Xuhuai and its adjacent areas**

1、Description

The data set mainly shows the magnetic lineament corresponding to different radii. The magnetic lineament is obtained by Radon transform of magnetic anomaly data, which can be used to detect more detailed individual alignments on a map, and can be compared with other anisotropic data.  
The dataset contains one dat file: magnetic\_ lineament.dat。  
The data set can be used to display the magnetic lineament with different radius in Xuhuai area and its adjacent areas. Combined with other geophysical and geological observations, the deformation mechanism of Xuhuai arc can be further discussed based on the results, .

2、Keywords

Theme：Geomagnetism,Magnetic lineaments  
Discipline：Solid earth  
Places：Xuhuai thrust belt  
Time：2021

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.01MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：37.0 | - |
| west：113.0 | - | east：121.0 |
| - | south：29.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

DENG Yangfan. Optimal orientation of magnetic anomalies in Xuhuai and its adjacent areas. A Big Earth Data Platform for Three Poles, doi:10.11888/Geo.tpdc.2714282021

References to articles:

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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