A Big Earth Data Platform for Three Poles

**Subsurface interface structure in the Sichuan-Yunnan region**

1、Description

The data set is the subsurface interface model in Sichuan-Yunnan region obtained by applying the ambient noise, teleseismic surface wave and body wave joint inversion. First, the seismic waveform data is applied from National Earthquake Data Center. Using the collected seismic waveform data, we remove the mean and trend and filter the waveform. We invert the subsurface interface model in Sichuan-Yunnan region by applying the ambient noise, teleseismic surface wave and body wave joint inversion. The model can be used for further study on valuable scientific issues such as the mechanism of the large earthquakes preparation, tectonic evolution of the lithosphere in Sichuan-Yunnan region and the eastward extrusion of the Tibetan Plateau.

2、Keywords

Theme：Joint inversion,Crust mantle structure,Seismology
Discipline：Solid earth
Places：Sichuan-Yunnan region
Time：nothing

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.4MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：32.0 | - |
| west：97.5 | - | east：107.2 |
| - | south：21.1 | - |

5、Time frame:None--None

6、Reference method

References to data:

AI Yinshuang . Subsurface interface structure in the Sichuan-Yunnan region. A Big Earth Data Platform for Three Poles, doi:10.11888/SolidEar.tpdc.2725822022

References to articles:

7、Supporting project information

The study on multi-scale and high-resolution structures, deformation patterns and background of large earthquakes preparation and occurrence beneath the Chuandian Block

8、Data resource provider

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