A Big Earth Data Platform for Three Poles

**Earthquake Catalogue with M≥5 in Pan-Third Pole since 1960**

1、Description

The Pan-Third Polar region has strong seismic activity, which is driven by the subduction and collision of the Indian plate, the Arab plate and the Eurasian plate. 18806 earthquakes with Magnitude 5 or larger have occurred in Pan-Third Polar region (north latitude 0-56 degrees and east longitude 43-139 degrees) since 1960. Among them, 4 earthquakes with Magnitude 8 or larger, 187 earthquakes with Magnitude 7.0-7.9， 1625 earthquakes with Magnitude 6.0-6.9 and 16990 earthquakes with Magnitude 5.0-5.9 have occurred. Earthquakes occurred mainly in the foothills of the India-Myanmar Mountains, the Himalaya Mountains, the Sulaiman Mountains, where the India Plate collided with the Eurasian plate, and the Zagros Mountains where the Arab plate collided with the Eurasian plate.

2、Keywords

Theme：seismotectonics,Earthquake catalogue,Tectonics,Natural Disaster,Seismology,Earthquakes
Discipline：Human-nature Relationship,Solid earth
Places：Pan-third pole
Time：Nearly 50 years

3、Data details

1.Scale：None

2.Projection：

3.Filesize：12.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：56.0 | - |
| west：43.0 | - | east：139.0 |
| - | south：0.0 | - |

5、Time frame:1960-01-08 16:00:00+00:00--2020-01-07 16:00:00+00:00

6、Reference method

References to data:

WANG Ji. Earthquake Catalogue with M≥5 in Pan-Third Pole since 1960. A Big Earth Data Platform for Three Poles, 2020

References to articles:

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

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