A Big Earth Data Platform for Three Poles

**Catalogue of destructive earthquakes in the Tibetan Plateau since 1970**

1、Description

The Tibetan Plateau has strong seismic activity, which is driven by the subduction and collision of the Indian plate between the Eurasian plate and the deformation of the plateau. There are 2854 earthquakes with Magnitude 4.7 or larger have occurred in Plateau region (north latitude 20-40 degrees and east longitude 70-105 degrees) since 1970. Among them, 3 earthquakes with Magnitude 8 or larger, 33 earthquakes with Magnitude 7.0-7.9， 192 earthquakes with Magnitude 6.0-6.9 and 1152 earthquakes with Magnitude 5.0-5.9 have occurred. Earthquakes occurred mainly along the faults in and around the Plateau.

2、Keywords

Theme：Earthquake catalogue,Seismology  
Discipline：Solid earth  
Places：Tibetan Plateau  
Time：1970-2020

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.81MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.0 | - |
| west：70.0 | - | east：105.0 |
| - | south：20.0 | - |

5、Time frame:1969-12-31 16:00:00+00:00--2020-06-29 16:00:00+00:00

6、Reference method

References to data:

WANG Ji. Catalogue of destructive earthquakes in the Tibetan Plateau since 1970. A Big Earth Data Platform for Three Poles, doi:10.11888/Disas.tpdc.2713002021

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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