A Big Earth Data Platform for Three Poles

**Earthquake distribution data on the Qinghai-Tibet Plateau（1971-2021，M≥3）**

1、Description

This data includes the seismic data of the Qinghai Tibet Plateau, the Asian water tower region and the Himalayas region from 1971 to 2021, The main attributes include earthquake occurrence time (UTC), longitude, latitude, earthquake depth, magnitude, magnitude type and occurrence area. It is divided into shp files and tabular data, which can be more convenient for relevant personnel to use. This data can help relevant personnel understand the earthquake distribution on the Qinghai Tibet Plateau and interpret the relationship between earthquake occurrence location and relevant structural zones. This data is derived from https://earthquake.usgs.gov/data/pager/ , download by selecting the initial target area and time, export by using ArcGIS tools, filter and make according to the edited files of the scientific research area of the Qinghai Tibet Plateau.

2、Keywords

Theme：Natural Disaster,Earthquakes
Discipline：Human-nature Relationship
Places：The Tibetan plateau
Time：1971—2021

3、Data details

1.Scale：None

2.Projection：GCS\_China\_Geodetic\_Coordinate\_System\_2000

3.Filesize：5.7MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：46.1 | - |
| west：70.84 | - | east：106.61 |
| - | south：21.15 | - |

5、Time frame:1971-03-23 16:00:00+00:00--2021-11-08 16:00:00+00:00

6、Reference method

References to data:

LIU Jifu. Earthquake distribution data on the Qinghai-Tibet Plateau（1971-2021，M≥3）. A Big Earth Data Platform for Three Poles, doi:10.11888/SolidEar.tpdc.2719292021

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: LIU Jifu
unit:
email: liujifu@bnu.edu.cn