A Big Earth Data Platform for Three Poles

**1:3 million Quaternary geological and geomorphological map of the Tibetan Plateau and its surrounding areas**

1、Description

Since 2006, China Geological Survey Bureau has organized and implemented the work of "Integration and comprehensive research on the basic geological survey results of the Qinghai Tibet Plateau". Based on the 1:250,000 Regional Geological Survey in the blank area of the Tibetan Plateau and the latest research results at home and abroad, through integration and comprehensive research, a series of maps of "1:3 million Quaternary geological and geomorphological map of the Tibetan Plateau and its surrounding areas" have been compiled. The map is published by China University of Geosciences Press, it comprehensively expresses basic geological information such as quaternary stratigraphic development, neotectonic activity, magmatic activity and geomorphic characteristics of the Tibetan Plateau, and objectively reflects the coupling and coordination process of stratum, structure, magmatic activity and geomorphic evolution since the uplift of the plateau in the late Cenozoic. The projection of the map is Conformal Conic Projection, the first standard latitude is 28 °, the second standard latitude is 37 °, the central longitude is 89 °, and the projection origin latitude is 26 ° north latitude.
This data is obtained by scanning the paper map " Quaternary geological and geomorphological map of the Tibetan Plateau and its surrounding areas " with a high-resolution scanner. In the process of scanning, keep the map surface as flat as possible to reduce the error. The copyright of the map belongs to the publishing house. This data can be used by the researchers who are engaged in the geological and geomorphological research of the Tibetan Plateau. It is of great scientific significance to reveal the uplift process of the Tibetan Plateau and the geomorphic, neotectonic movement, stratigraphic, magmatic activity and environmental evolution since the uplift.

2、Keywords

Theme：Tectonics
Discipline：Solid earth
Places：The Tibetan Plateau and the surrounding areas
Time：Quaternary, 2013

3、Data details

1.Scale：3000000

2.Projection：Lambert\_Conformal\_Conic

3.Filesize：53.5MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.0 | - |
| west：72.0 | - | east：106.0 |
| - | south：25.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

China University of Geosciences, Institute of Geological Survey, China University of Geosciences (Wuhan). 1:3 million Quaternary geological and geomorphological map of the Tibetan Plateau and its surrounding areas. A Big Earth Data Platform for Three Poles, 2019

References to articles:

7、Supporting project information

8、Data resource provider

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