A Big Earth Data Platform for Three Poles

**Field exploration dataset of the central, eastern and southern Qinghai-Xizang Plateau geology**

1、Description

The Yarlung Zangbo suture zone and its neighbouring areas are crucial for the research of the evolution of Neo-Tethys. The earliest evidence of the formation of Neo-Tethys remains to be discovered and the sequence of the basin evolution in many areas, such as the eastern and western Xizang, is far from well established. The limits in stratigraphy and sedimentology have greatly restricted the investigation of the evolution of Neo-Tethys as well as the collision between Indian-Eurasian plates. This exploration team conducted a joint investigation on the Mesozoic strata in some key areas in eastern, central, and southern Xizang, with emphasis on their stratigraphy, palaeontology, and sedimentology, to retrieve potential stratigraphic and sedimentary evidence of the opening, evolution, and retreat of the Neo-Tethys in the region. This dataset is a collection of the exploration, which includes diaries and photos of the strata, geological structure, profiles, and fossils that have been collected in the above-mentioned areas. It consists of three items. The explored strata include the Jurassic-Cretaceous in Luolong and Basu counties, eastern Xizang, in Renbu and Lang counties, central Xizang, and the radiolarite strata in Ngari.

2、Keywords

Theme：Paleontology
Discipline：Solid earth
Places：Yarlung Zangbo suture zone
Time：Mesozoic

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：20.9MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：32.0 | - |
| west：79.75 | - | east：97.37 |
| - | south：29.83 | - |

5、Time frame:None--None

6、Reference method

References to data:

LI Jianguo, LI Xianghui, LUO Hui. Field exploration dataset of the central, eastern and southern Qinghai-Xizang Plateau geology. A Big Earth Data Platform for Three Poles, doi:10.11888/Geo.tpdc.2710852020

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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