A Big Earth Data Platform for Three Poles

**Low temperature thermochronology data set of the Yalong River thrust belt on the eastern margin of the Tibetan Plateau**

1、Description

This data set includes apatite and zircon (U-Th) / He ages, apatite fission-track (AFT) ages of the Yalong River thrust belt, which will be continuously updated in the future. The first part is the apatite and zircon He and apatite fission-track data from the Yunongxi fault, a branch fault in the hinterland of the Yalong River thrust belt. The second part of the data is from the Jinping Shan-Muli fault, a branch of the Yalong River thrust belt, including apatite and zircon He ages data. The data results are concentrated, which well constrain the evolution of the Yalong River thrust belt and provide a high-quality chronological basis for exploring its role in the process of plateau expansion.

2、Keywords

Theme：Geomorphological,Tectonics  
Discipline：Solid earth  
Places：the Tibetan Plateau, the Yalong thrust belt  
Time：Myr-scale

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：0.4MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：30.0 | - |
| west：98.0 | - | east：102.0 |
| - | south：26.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

Low temperature thermochronology data set of the Yalong River thrust belt on the eastern margin of the Tibetan Plateau. A Big Earth Data Platform for Three Poles, doi:10.11888/Geo.tpdc.2711202021

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: ZHANG Huiping  
unit: Institute of Geology, China Earthquake Administration  
email: huiping@ies.ac.cn