A Big Earth Data Platform for Three Poles

**Single mineral EPMA data set of magmatic rocks in Gyirong area of Himalayan orogenic belt**

1、Description

The single mineral EPMA data set of magmatic rocks in the Himalayan orogenic belt is mainly based on the main data of single minerals in Jilong area, and the test points of single minerals are more than 200. The rock is light colored granite. The single minerals tested are mainly feldspar, garnet, muscovite and biotite. The single mineral electron probe uses cameca sxvivefe electron microprobe, etc. The data has not been published, and the data results are true and reliable. The testing units are mainly the Institute of geology, Chinese Academy of Geological Sciences and the Institute of mineral resources, Chinese Academy of Geological Sciences. The data set can be used to study the petrogenesis of leucogranite melts in the Himalayan orogenic belt.

2、Keywords

Theme：intrusion,Engineering Geology,Neo-Tethys,petrogenesis,Rocks/Minerals,Formation,tectonic rock zones,Tectonics,regional tectonic background,Terrestrial sediment records,Seismogeology,Carboniferous,Leucogranite,Geologic Hazard,Sedimentary Record
Discipline：Solid earth
Places：Gyirong
Time：20 Ma

3、Data details

1.Scale：None

2.Projection：

3.Filesize：33.4MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：29.0 | - |
| west：84.0 | - | east：86.0 |
| - | south：28.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

GAO Lie , YAN Lilong , ZENG Lingsen . Single mineral EPMA data set of magmatic rocks in Gyirong area of Himalayan orogenic belt. A Big Earth Data Platform for Three Poles, doi:10.11888/SolidEar.tpdc.2722962021

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: ZENG Lingsen
unit: Institute of Geology, Chinese Academy of Geological Sciences
email: lzeng1970@163.com

name: GAO Lie
unit: Institute of Geology, Chinese Academy of Geological Sciences
email: liegao09@163.com

name: YAN Lilong
unit: Institute of Geology, Chinese Academy of Geological Sciences
email: lilong\_yan@qq.com