A Big Earth Data Platform for Three Poles

**Geochemical data of whole rock and single mineral of Early Cretaceous monzogranite in Naqu, Tibet Plateau**

1、Description

The data are the major and rare earth element geochemical data, zircon trace element, U-Pb age and Hf-O isotope data of the early Cretaceous granites in the Qinghai Tibet Plateau. The samples are S-type granite from Naqu area, and the lithology is monzogranite. The major and rare earth element geochemical data of the samples were obtained by AAS and ICP-OES, respectively. Zircon U-Pb age and REE data were obtained by LA-ICP-MS and SHRIMP analysis, and Lu-Hf isotopic composition was obtained by LA-MC-ICP-MS analysis. O isotopic composition was obtained by SHRIMP analysis. The above data have been published in SCI Journal (International geology review), and the data are true and reliable. The obtained data can be used to study the provenance of Lhasa terrane and the possibility of preserving ancient crust.

2、Keywords

Theme：zircon,Rocks/Minerals,Geochemistry,Ziron U-Pb dating,Zircon Hf-O isotope
Discipline：Solid earth
Places：Tibetan Plateau
Time：Early Cretaceous

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.345MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：31.801 | - |
| west：92.576 | - | east：92.788 |
| - | south：31.621 | - |

5、Time frame:None--None

6、Reference method

References to data:

SUN Saijun. Geochemical data of whole rock and single mineral of Early Cretaceous monzogranite in Naqu, Tibet Plateau. A Big Earth Data Platform for Three Poles, doi:10.1080/00206814.2017.13679672021

References to articles:

Sun, S., Ireland, T. R., Zhang, L., Zhang, R., Zhang, C., & Sun, W. (2018). Palaeoarchaean materials in the Tibetan Plateau indicated by zircon. International Geology Review, 60(8), 1061-1072.

7、Supporting project information

The deep process and resource effect of major geological events in Yanshan period

8、Data resource provider

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