A Big Earth Data Platform for Three Poles

**Geochemical data of the Gajin granite in southern Nyima area, Tibet**

1、Description

This data set is geochemical data collected from the Middle Cretaceous gajin granite in the gomangcuo ziguicuo area, southern NIMA County, Tibet.
It includes the data of major elements in whole rock obtained by X-ray fluorescence spectrometer and trace elements obtained by inductively coupled plasma mass spectrometry;
Nd isotopic data of rocks were measured by inductively coupled plasma mass spectrometry (ICP-MS);
The Hf isotopic data of zircons were analyzed by laser ablation combined with multi receiver inductively coupled plasma mass spectrometry;
Zircon U-Pb isotope data and trace element data measured by laser ablation combined with inductively coupled plasma mass spectrometry.
These data combined with the spatial and temporal distribution of regional magmatic rocks provide new constraint on the timing of the collision between Lhasa and Qiangtang terrane.

2、Keywords

Theme：high silica granite,Rocks/Minerals,collision event,Tectonics
Discipline：Solid earth
Places：Qiangtang terrane, Lhasa Terrane
Time：Cretaceous

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.1MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：31.471 | - |
| west：87.306 | - | east：87.731 |
| - | south：31.233 | - |

5、Time frame:None--None

6、Reference method

References to data:

WANG Qiang, YANG Zong-Yong. Geochemical data of the Gajin granite in southern Nyima area, Tibet. A Big Earth Data Platform for Three Poles, doi:10.1016/j.lithos.2018.11.0112021

References to articles:

Yang, Z.-Y., Wang, Q., Zhang, C., Yang, J.-H., Ma, L., Wang, J., Sun, P., & Qi, Y. (2019). Cretaceous (~100 Ma) high-silica granites in the Gajin area, Central Tibet: Petrogenesis and implications for collision between the Lhasa and Qiangtang Terranes. Lithos 324-325, 402-417.

7、Supporting project information

The deep process and resource effect of major geological events in Yanshan period (2016YFC0600400)

8、Data resource provider

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