A Big Earth Data Platform for Three Poles

**Major and trace element compositions of basic rocks in rencuo ophiolite (Shenzha-bange county), Zangbeihu District, Qinghai-Tibet Plateau**

1、Description

This data is the whole rock geochemical composition of Cretaceous magmatic rocks in Lhasa block. Including: basalt, andesite, dacite, granite and other lithology. The age span is from Permian to late Cretaceous. Through these data, we can effectively understand the geochemical properties of magmatic rocks in Lhasa block, and further understand the geochemical composition of magmatic rocks in different periods and the evolution characteristics of corresponding source areas.
The data testing was completed in Beijing Kehui Testing Co., Ltd. and the sampling was completed by LA-ICP-MS multi receiver plasma mass spectrometry. The laser ablation system was ESI NWR 193nm, and the ICP-MS was analytikjena plasmaquant MS elite ICP-MS. The off-line processing of analytical data (including the selection of samples and blank signals, calibration of instrument sensitivity drift, calculation of element content, U-Th-Pb isotope ratio and age) was completed by software icpmsdata cal.

2、Keywords

Theme：Major elements,Rocks/Minerals,Geochemistry,Tectonics,diabase,plate tectonics
Discipline：Solid earth
Places：Zangbeihu, Lhasa Terrane
Time：Cretaceous

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.3MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：32.0 | - |
| west：88.3 | - | east：90.3 |
| - | south：30.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

ZHAI Qingguo. Major and trace element compositions of basic rocks in rencuo ophiolite (Shenzha-bange county), Zangbeihu District, Qinghai-Tibet Plateau. A Big Earth Data Platform for Three Poles, 2021

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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