A Big Earth Data Platform for Three Poles

**Whole rock major and trace geochemical data set of magmatic rocks in the Qinghai Tibet Plateau (Hoh Xil-South Qiangtang-Lhasa) (2020)**

1、Description

The data content mainly includes the main and micro data of the whole rock of some magmatic rocks in the Hoh Xil Lhasa plate of the Qinghai Tibet Plateau. The samples were mainly distributed in Hoh Xil lake, South Qiangtang guoganjianian, Dugur, and Gangdise Nasongduo and Saga counties. There are more than 300 major and trace elements in the samples, including olivine leucite, quartz monzonite, diorite and granite, which are of great significance to the study of the lithospheric evolution of the Qinghai Tibet Plateau. Data mainly come from published articles or being accepted. XRF spectroscopy was used to determine the major elements and ICP-MS was used to determine the trace elements. The data quality is highly reliable, and the testing units include the State Key Laboratory of Guangzhou Institute of geochemistry, Chinese Academy of Sciences, etc. The data are published in high-level journals, including geology, BSA bulletin and Journal of petroleum.

2、Keywords

Theme：Major elements,Trace elements,Geochemistry  
Discipline：Solid earth  
Places：South China, Tibet  
Time：Paleozoic, Cenozoic, Mesozoic

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.14MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：47.0 | - |
| west：84.0 | - | east：92.0 |
| - | south：29.0 | - |

5、Time frame:2019-12-31 16:00:00+00:00--2020-12-31 03:59:59+00:00

6、Reference method

References to data:

WANG Jun, ZHOU Jinsheng, DAN Wei, QI Yue, TANG Gongjian. Whole rock major and trace geochemical data set of magmatic rocks in the Qinghai Tibet Plateau (Hoh Xil-South Qiangtang-Lhasa) (2020). A Big Earth Data Platform for Three Poles, doi:10.11888/Geo.tpdc.2712422021

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7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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