A Big Earth Data Platform for Three Poles

**Zn isotopic data of Kamchatka and Aleutian arc magmatic rocks**

1、Description

This data set mainly includes Zn isotopic analysis of island arc magmatic rocks obtained from Kamchatka islands and Aleutian Islands. The locations include eastern Kamchatka, central Kamchatka, Atka and umanka islands. The Zn isotopic data were obtained by MC-ICPMS after acid digestion and ion exchange resin separation of whole rock samples. The whole rock sample was crushed to less than 200 mesh without pollution, and the powder was digested by acid and separated by ion exchange resin. Then the zinc isotope was tested by MC-ICPMS. The international standard samples were selected to monitor the test data. The obtained data of island arc magmatic rocks provide important information for Zn isotopic reservoir composition of oceanic basalts.

2、Keywords

Theme：magma,Rocks/Minerals,Geochemistry,igneous rocks,Geologic Hazard,Isotopic geochemistry  
Discipline：Solid earth  
Places：island arc magmatic rock  
Time：39Ma

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.014MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：0.0 | - |
| west：0.0 | - | east：0.0 |
| - | south：0.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

Zn isotopic data of Kamchatka and Aleutian arc magmatic rocks. A Big Earth Data Platform for Three Poles, 2021

References to articles:

7、Supporting project information

8、Data resource provider