A Big Earth Data Platform for Three Poles

**Zn isotopic data of iron rich peridotites in Bohemia**

1、Description

This data set mainly includes the results of Zn isotope and trace element analysis of iron rich peridotites and pyroxenites from the central European Bohemian orogenic belt. The samples are from the late Paleozoic. The samples include mg rich peridotite, Fe rich peridotite and pyroxenite. The Zn isotopic data were obtained by MC-ICPMS after acid digestion and ion exchange resin separation, and the trace element data were obtained by ICP-MS after acid digestion. After acid digestion, the trace elements were determined by ICP-MS, separated by ion exchange resin, and then determined by MC-ICPMS.

2、Keywords

Theme：magma,Rocks/Minerals,Geochemistry,igneous rocks,Geologic Hazard,Isotopic geochemistry
Discipline：Solid earth
Places：Bohemian Massif
Time：late Paleozoic

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.016MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：51.0 | - |
| west：12.0 | - | east：18.0 |
| - | south：49.0 | - |

5、Time frame:2018-01-30 16:00:00+00:00--2019-03-30 16:00:00+00:00

6、Reference method

References to data:

Zn isotopic data of iron rich peridotites in Bohemia. A Big Earth Data Platform for Three Poles, doi:10.11888/Geo.tpdc.2713662021

References to articles:

Huang, J., Ackerman, L., Zhang, X. C., & Huang, F. (2019). Mantle Zn isotopic heterogeneity caused by melt‐rock reaction: Evidence from Fe‐rich peridotites and pyroxenites from the Bohemian Massif, Central Europe. Journal of Geophysical Research: Solid Earth, 124(4), 3588-3604.

7、Supporting project information

8、Data resource provider