A Big Earth Data Platform for Three Poles

**Geochemical data set of Paleozoic sedimentary rocks in central Inner Mongolia**

1、Description

The data include major and trace geochemical data and zircon U-Pb isotope data of Silurian xuniwusu formation, Devonian Xilinguole complex and Permian Zhesi formation in central Inner Mongolia. The major element geochemical data of the whole rock are obtained by XRF analysis, the trace element geochemical data are obtained by ICP-MS, and the zircon U-Pb isotopic data are obtained by LA-ICP-MS. This set of data has been published in Acta Geologica Sinica (English Edition), which is a geoscience SCI journal. This set of data can effectively constrain the evolution process of regional Paleozoic geological structure.

2、Keywords

Theme：sedimentary rocks,Rocks/Minerals,Geochemistry,Tectonics,Suture belt,Ziron U-Pb dating
Discipline：Solid earth
Places：Hegenshan, Xilinhot, Linxi
Time：Silurian to Permian

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.51MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：45.25 | - |
| west：115.5 | - | east：118.5 |
| - | south：43.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

LI Yilong. Geochemical data set of Paleozoic sedimentary rocks in central Inner Mongolia. A Big Earth Data Platform for Three Poles, doi:10.1111/1755-6724.143562021

References to articles:

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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