A Big Earth Data Platform for Three Poles

**The dataset of ophiolite cumulate chronology and isotope in Nagqu, Tibet (2011-2012)**

1、Description

Data source description: The data are generated by arranging the literature.
Test method: zircon U-Pb isotope LA-(MC)-ICPMS test; Re-Os isotope dilution method TIMS test.
Data processing method: The data are automatically acquired by the analytical instrument, and the dating data are calculated using ISOPLOT software.
The accuracy of the raw data: The accuracy of the zircon age test is shown in the error analysis value in the table; the accuracy of the Re-Os isotope analysis is shown in the error analysis value in the table.
Data generating process: The first author personally analyzes and obtains the data, strictly in accordance with the experimental specifications
Applications: Geology
Data accuracy after processing: The accuracy of the processed data table is basically consistent with the analysis accuracy.
The data contains 2 tables:
(1) Zircon U-Pb isotope age analysis results table and
(2) Whole rock and spinel Re-Os isotope
 7 U-Pb zircon age data and 5 Re-Os isotope data.
Data Types:
Table 1: Zircon U-Pb age
Data type: digital
Table 2: Whole rock and spinel Re-Os isotopes
Data type: digital
Dimensions (unit of measure):
"Zircon U-Pb age" dimension: Ma, "Re-Os isotope" dimension: ratio

2、Keywords

Theme：minerals/crystals,Rocks/Minerals,Isotopes,Paleoclimate Reconstruction
Discipline：Palaeoenvironment,Solid earth
Places：Tibet, Tibetan Plateau , Nagqu (also Naqu or Nagchu)
Time：2011 to 2012

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.06MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：32.0 | - |
| west：91.5 | - | east：92.0 |
| - | south：31.5 | - |

5、Time frame:2011-01-12 08:00:00+00:00--2013-01-11 08:00:00+00:00

6、Reference method

References to data:

DING Lin. The dataset of ophiolite cumulate chronology and isotope in Nagqu, Tibet (2011-2012). A Big Earth Data Platform for Three Poles, doi:10.11888/Geology.tpe.249416.file2018

References to articles:

Huang, Q.S., Shi, R.D., Liu, D.L., Zhang, X.R., Fan, S.Q., &Ding, L. (2013). Os isotopic evidence for a carbonaceous chondritic mantle source for the Nagqu ophiolite from Tibet and its implications. Chinese science bulletin, 58(1), 92-98.

7、Supporting project information

8、Data resource provider

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