A Big Earth Data Platform for Three Poles

**Paleomagnetic data of the Huining loess section on the Chinese Loess Plateau**

1、Description

This data set is composed of paleomagnetic analysis data of Huining loess profile on the Loess Plateau of China. The total thickness of Huining loess profile measured by paleomagnetic experiment is about 130 meters, and the number of samples measured is 200. MMTD 80 automatic thermal demagnetizer produced by British magnetic measurement company is used for thermal demagnetization of the system, and the residual magnetism measurement is completed on 2g-760 rock superconducting magnetometer. The experimental analysis was completed in the State Key Laboratory of lithospheric evolution. This data provides further age constraints for the Loess in Huining area of the Loess Plateau of China, and is of great significance for the study of paleoclimate / Paleoenvironment in the west of the Loess Plateau.

2、Keywords

Theme：Loess,Loess,Paleomagnetic,Paleoclimate Reconstruction  
Discipline：Palaeoenvironment  
Places：Chinese Loess Plateau  
Time：since two million years

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.02MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：36.0 | - |
| west：105.0 | - | east：105.0 |
| - | south：36.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

HAO Qingzhen. Paleomagnetic data of the Huining loess section on the Chinese Loess Plateau. A Big Earth Data Platform for Three Poles, doi:10.11888/Paleoenv.tpdc.2716892021

References to articles:

7、Supporting project information

Comparative study of past climate changes at multi-timescale in East Asian monsoon region and Westerly zone  
NSFC Basic Research Center Program: Continental Evolution and Earth’s monsoon System  
NSFC National Science Fund for Distinguished Young Scholars: Quaternary Geology

8、Data resource provider

name: HAO Qingzhen  
unit:   
email: haoqz@mail.iggcas.ac.cn