A Big Earth Data Platform for Three Poles

**Magnetic susceptibility data of the Huining loess section on the Chinese Loess Plateau**

1、Description

This data set consists of magnetic susceptibility analysis data of Huining loess profile on the Loess Plateau of China. It includes one main section and two last interglacial loess sections. The total thickness of the main section is about 271m, and the thickness of the two last interglacial loess sections is about 21m and 24m respectively. We have carried out magnetic susceptibility measurement and Analysis on the above loess profile at an interval of about 5cm. The number of low-frequency magnetic susceptibility samples measured are 5336, 436 and 484 respectively. The instrument used is bartington MS2 magnetic susceptibility instrument made in Britain. The experimental analysis was completed in the Key Laboratory of Cenozoic geology and environment, Chinese Academy of Sciences. This data reflects the variation characteristics of low-frequency magnetic susceptibility of loess sequence in Huining area of Loess Plateau of China in recent two million years, and is of great significance for the study of paleoclimate / paleoenvironment of Loess Plateau.

2、Keywords

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

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.52MB

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. Magnetic susceptibility data of the Huining loess section on the Chinese Loess Plateau. A Big Earth Data Platform for Three Poles, doi:10.11888/Paleoenv.tpdc.2716832021

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

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