A Big Earth Data Platform for Three Poles

**Environmental Magnetism (ARM and SIRM) data of the Titel-Stari Slankamen loess section in Serbia**

1、Description

This data set is composed of environmental magnetic analysis data such as non hysteresis remanence (ARM) and saturated remanence (SIRM) of the comprehensive loess profile of titel stari slankamen, Serbia. The total thickness of the composite section of titel stari slankamen loess is about 56m. We used 2g-760 rock superconducting magnetometer to measure and analyze the non hysteresis remanence (ARM) and saturated remanence (SIRM) at an interval of about 10 cm. The number of samples measured is 579. The experimental analysis was completed in the State Key Laboratory of lithospheric evolution. The data reflect the variation characteristics of magnetic properties of loess sequences in Serbia in recent one million years, which is of great significance for the study of paleoclimate / Paleoenvironment in southeastern Europe.

2、Keywords

Theme：Loess,Loess,Anhysteretic remanent magnetization (ARM),Saturation isothermal remanent magnetization (SIRM),Paleoclimate Reconstruction
Discipline：Palaeoenvironment
Places：Serbia
Time：since one million years

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.04MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：45.13 | - |
| west：20.3 | - | east：20.3 |
| - | south：45.13 | - |

5、Time frame:None--None

6、Reference method

References to data:

HAO Qingzhen. Environmental Magnetism (ARM and SIRM) data of the Titel-Stari Slankamen loess section in Serbia. A Big Earth Data Platform for Three Poles, doi:10.11888/Paleoenv.tpdc.2716902021

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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